

SCH-a850 Series

P O R T A B L E D u a l - M o d e T E L E P H O N E

User Guide

**Please read this manual before operating your
phone, and keep it for future reference.**



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Table of Contents

Section 1: Getting Started	9
Understanding this User Manual	10
Charging the Battery	11
Activating Your Phone	12
Setting Up Your Voice Mail	15
Section 2: Understanding Your Phone	17
Features of Your Phone	18
Closed View of Your Phone	19
Open View of Your Phone	21
Command Keys	23
Understanding the Display Screen	26
Your Phone's Modes	30
Section 3: Call Functions	35
Making a Call	36
Answering a Call	41
Calls	46
Section 4: Menu Navigation	51
Menu Navigation	52
Menu Shortcuts	52
Navigation Key Shortcuts	53
Navigate Using a Shortcut	53
Menu Outline	54
Section 5: Entering Text	63
Changing the Text Entry Mode	64
Using T9® Mode	65
Entering Upper and Lower Case	66
Entering Symbols	67
Entering Numbers	68

Section 6: Understanding Your Contacts 71

Contacts	72
Adding a New Contacts Entry	73
Finding a Contacts Entry	75
Renaming a Contacts Group	79
Editing an Existing Contacts Entry	79
Saving a Number After a Call	86
Deleting a Contacts Entry	88
Finding My Phone Number	88
Memory	89

Section 7: @metro 91

Accessing @metro	92
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Section 8: Messaging 97

Types of Messages	98
Create and Send Text Messages	98
Receive Text Messages	100
Send Picture Messages in Camera Mode	101
Send Picture Messages in Standby Mode	104
Handwritten Picture Messages	107
Message Folders	108
Message Settings	113
Erase Messages	117

Section 9: Mobile Web 119

Mobile Web	120
Launching Mobile Web	120
Using Mobile Web	121
Using Links	121
How Mobile Web Keys Work	122

Section 10: Gallery 123

Accessing Your Gallery	124
Using Image Gallery	124

Using Melody Gallery	126
Using Animelody Gallery	127
Section 11: Camera	129
Taking Pictures	130
Saving Pictures	140
The Picture Gallery	140
Camera Settings	142
Point, Click, and Send a Picture	147
Section 12: Tools	149
Voice Recognition	150
Today	160
Scheduler	162
Jump To Date	163
To Do List	163
Memo Pad	165
Count Down	167
Alarm Clock	169
World Time	171
Calculator	172
Section 13: Setup	175
Location Setting	176
Display Settings	176
Sounds Settings	183
Network Settings	187
Security Settings	188
Call Options	195
Shortcut Setting	199
Language Setting	200
Clock Set	200
Version Information	201
Section 14: Health and Safety Information ...	203
Health and Safety Information	204

UL Certified Travel Adapter	206
Consumer Information on Wireless Phones	207
Road Safety	216
Operating Environment	219
Using Your Phone Near Other Electronic Devices	219
Potentially Explosive Environments	222
Emergency Calls	223
FCC Notice and Cautions	224
Other Important Safety Information	225
Product Performance	225
Availability of Various Features/Ring Tones	227
Battery Standby and Talk Time	227
Battery Precautions	228
Care and Maintenance	230
Section 15: Warranty Information	233
Standard Limited Warranty	234
Index	241

Section 1: Getting Started

Topics Covered

- Understanding this User Manual
 - Charging the Battery
 - Activating Your Phone
 - Setting Up Your Voicemail
-

This section explains how to start using your phone by activating your service, setting up your voice mail, or getting an understanding of how this manual is put together.

Understanding this User Manual

The chapters of this guide generally follow the same order as the menus and sub-menus in your phone. A robust index for quick reference to most features begins on page 241.

Also included is important safety information that you should know before using your phone. Most of this information is near the back of the guide, beginning on page 203.

Notes and tips

Throughout this guide there is text that is set apart from the rest. These are intended to point out important information, quick methods for activating features, to define terms, and more. The definitions for these methods are as follows:

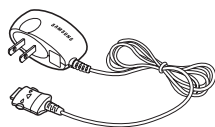
- **Notes:** Explain alternative options within the current feature, menu, or sub menu.
- **Tips:** Provide quick or innovative methods for performing functions related to the subject at hand.
- **Important:** Points out important information about the current feature that could affect performance, or even damage your phone.

Charging the Battery

Your phone is powered by a rechargeable standard Li-Ion battery. Only use Samsung-approved charging devices and batteries. Samsung accessories are designed to maximize battery life. **Use of other accessories may invalidate your warranty and may cause damage.**

Use the Travel Adapter

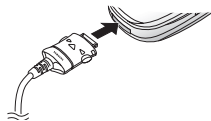
The travel adapter included with your phone is a convenient, light-weight charger that rapidly charges your phone from any 120 / 220 VAC outlet.



1. Plug the large end of the Travel Adapter into a standard 120 VAC or 220 VAC wall outlet.

Important: For connection to an electrical supply not located in the U.S., you must use an adaptor of the proper configuration for the power outlet. Use of the wrong adapter could damage your phone and void your warranty.

2. Insert the smaller end of the Travel Adapter into the charger/accessory connector at the bottom end of your phone.



Important: You must unplug the adapter before removing the battery from the phone during charging to avoid damage.

Low battery indicator

The battery indicator () in the upper-right corner of the display indicates power level. Monitor the battery strength and ensure your battery is adequately charged.

- Four bars () indicate a full charge.
- An empty battery icon () indicates a near empty battery.
- A blinking empty battery icon () and a tone sounding indicate you have two to three minutes before the battery is too low to operate the phone.

If you continue to use your phone without charging its battery, the phone will shut down.

Activating Your Phone

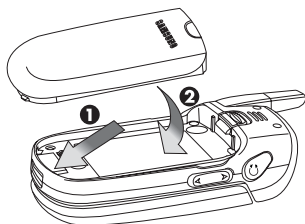
Contact your Wireless Carrier and follow their instructions for obtaining service, if necessary. We suggest that you read this guide to fully understand the services your phone supports.

Install the Battery

Note: Your phone comes packaged with a partially charged rechargeable standard Li-Ion battery and travel adapter.

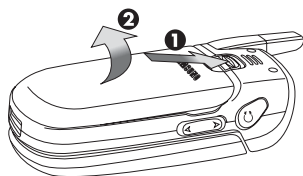
Important: You must fully charge the battery the first time you use your phone, otherwise you could damage the battery. You can use your phone while the battery is charging.

1. Insert the bottom end of the battery first, matching the gold contacts on the inside of the battery to those on the phone.
2. Press the top end of the battery down into the phone until you hear it snap into place.



Remove the Battery

1. Press and hold the  key to turn off the phone (if on).
2. Slide the battery release latch (1) toward the top end of the phone and hold.
3. Lift the battery (2) up and away from the phone, top end first.



Turn Your Phone On

1. Open the folder on your phone, as shown.
2. Press the  key.

Note: As with any other radio-transmitting device, do not touch the antenna while using your phone as this can affect call quality and can cause the phone to operate at a higher power level than is necessary.

3. The phone begins searching for a network signal.
4. Once the phone finds a signal, the time, date, and day appear in the bottom of the display.
5. You're now ready to place and receive calls.



Note: If you are outside of your carrier's coverage or roaming area, the No Service icon (📶) appears at the top of the phone's display. If you cannot place or receive calls, try later when service is available, or at another location.

Turn Your Phone Off

- Press and hold the  key for two or more seconds. Your phone powers off.

Note: If your phone is on and you press  for less than one second, the phone will not power off. This prevents your phone from being turned off accidentally.

Setting Up Your Voice Mail

Voice mail allows callers to leave voice messages, which can be retrieved any time.

Note: Once your voice mail account has been set up, you can use the **Voice Mail** folder (under the **Message** menu) to view details of voice messages in your voice mail box.

1. In idle mode, press and hold the  key or dial your own mobile number to dial voice mail.
2. Follow the prompts in the new user tutorial to setup your mail box.

Listen to voice mail

1. In idle mode, press and hold the  key or dial your own mobile number to dial voice mail. After connecting, you will hear your voice greeting.
2. You are prompted to enter your password.



Section 1

Section 2: Understanding Your Phone

Topics Covered

- Features of Your Phone
 - Closed View of Your Phone
 - Open View of Your Phone
 - Command Keys
 - Understanding the Display Screen
 - Your Phone's Modes
-

This section outlines some key features of your phone. It also describes the screen format and the icons that will be displayed when the phone is in use.

Features of Your Phone

- Domestic and international voice and text messaging service (available on participating networks).
- High speed data (CDMA 2000 1x Technology)
- Global Positioning (GPS) Technology
- PIM Functions
- MMS Messaging
- Txt Messaging
- Handwritten Messaging
- E-mail Messaging
- Built-in Digital Camera
- Voice Dial
- Speakerphone

Closed View of Your Phone



Features

- 1. Headset Jack** — Lets you plug in an optional headset for safe, convenient, hands-free conversations.
- 2. Camera Lens** — The lens of your built-in camera.
- 3. Volume Key** — Lets you adjust the master volume in standby mode (with the folder open) or adjust the voice volume during a call. To mute the ringer during an incoming call, press the volume key up or down.
- 4. Front LCD** — Displays time, date, and phone status icons.
- 5. Antenna** — Exchanges voice and data signals with the network.

6. **Activity LED** — Serves the following functions:
 - Flashes red to indicate an incoming call or message
 - Flashes green briefly when your phone is in service.
 - Lights red when you power the phone on.
 - Lights red continuously when travel adapter is connected.
 - Lights green continuously when travel adapter is connected and phone is fully charged.
7. **Camera Key** — Launches the Camera feature of your phone.
8. **Speaker Mode Key** — Enables and disables speaker phone mode.
9. **Power/Accessory Connector** — Used to plug in the charging accessories and also connect any available accessory cables to your phone.

Open View of Your Phone



Section 2

Features

- 1. Receiver** — Lets you hear the other caller.

2. **Main LCD** — Indicates the status of your phone, including numbers dialed, feature and function screens, status icons, message indicators, signal strength, and so on.
3. **Navigation Keys** — In Menu mode, let you scroll through the phone menu options. In Idle mode, let you access preset functions and one user-defined function.
4. **Left Soft Key** — Used to navigate through menus and applications and to select the choice indicated at the bottom left corner of the Main LCD.
5. **Volume Keys** — In Idle mode, lets you adjust the ringer volume or lets you select a vibrate mode. During a call, lets you adjust the Receiver volume.
6. **Send Key** — Lets you place or receive a call. In standby mode, press the key once to access the recent call log.
7. **Clear Key** — Deletes characters from the display when you are in text entry mode. Press this key to return to the previous menu or screen when navigating features on your phone.
8. **Camera Key** — Lets you launch the camera and take pictures.
9. **Special Function Keys** — Enter special characters. Performs various functions.
10. **Power/Accessory Connector** — Used to plug in the charging accessories and also connect any available accessory cables to your phone.
11. **Microphone** — Lets the other caller hear you clearly when you are speaking to them.
12. **Voice Recognition Key** — Launches VoiceSignal options.

- 13. Alpha-numeric Keys** — Use these keys to enter numbers, letters, and characters.
- 14. Speakerphone Key** — Enables and disables speakerphone mode.
- 15. End Key** — Ends a call. If you press and hold the END key, the power goes On or Off. When you receive an incoming call, press to mute the ringer and send the call to voicemail.
- 16. Camera Key** — Lets you launch the camera and take pictures.
- 17. Right Soft Key** — Used to navigate through menus and applications and to select the choice indicated at the bottom right corner of the Main LCD.
- 18. OK Key** — Pressing when navigating through a menu accepts the highlighted choice in a menu.

Command Keys

Functions for the soft keys are defined by what appears above each in the display. There are two soft keys, the left soft key  and the right soft key .

Left Soft Key

Some functions of the left soft key are as follows.

- In standby mode, press the **MENU** (left) soft key () to open the main menu.
- When the left soft key function is Options, press the **Options** (left) soft key () and a pop-up menu appears.
- When the left soft key function is Edit, press the **Edit** (left) soft key () to edit a Contact.

Right Soft Key

Some functions of the right soft key are as follows.

- In standby mode, press the **CONTACTS** (right) soft key () to open the Contacts list.
- When the right soft key function is Back, press the **Back** (right) soft key () to back up one menu level.

OK Key

- In a menu, press the **OK** key () to accept the highlighted selection.
- In camera mode, press the **OK** key () to take a photo or to create a Pic. message.
- When the **OK** key function is Edit, press the **Edit** (OK) key () to edit a Draft message.

Clear Key

The **CLR** key () is used to erase or clear numbers, text, or symbols from the display. You can also use the  key to return to a previous menu or to return to standby mode from any menu.

1. If you enter an incorrect character, briefly press  to backspace (and delete) the character.
2. To erase the entire sentence, press and hold .
3. To back up one menu level, briefly press .
4. To return to standby mode, press and hold  until you return to standby mode.

End Key

1. Press and hold the **End** key () to turn on your phone.

2. Briefly press  once to disconnect a call.
3. Press  to return to standby mode from any menu, or to cancel the last input.

Send Key

The **Send** key  is used to answer calls, dial calls, and to recall the last number(s) dialed, received, or missed.

1. Press  once to answer calls.
2. Enter a number and briefly press  to make a call.
3. Briefly press  in standby mode to display a list of recent calls to and from your phone.
4. Press  twice in standby mode to call the most recent number.
5. Press  to pick up a waiting call. Press  again to switch back to the other call.

Navigation Key

Use the directional keys on the navigation key  to browse menus, sub menus, and lists. Each key also acts as a shortcut to launch applications.

Speakerphone Key

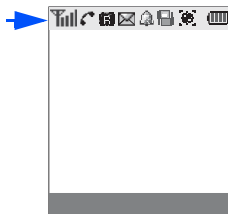
Use the speakerphone key () — located on the right side of your phone — to switch from using the earpiece to the speakerphone before or during a call. Use the volume keys — located on the left side of your phone — to adjust the volume. Press the speakerphone key to enable and disable the speakerphone option.

Camera Keys

Use either of the camera keys ( ) — located on the keypad and on the right side of your phone — to activate the camera built into your phone and to take pictures.

Understanding the Display Screen

The top line of your phone's display contains icons that indicate network status, battery power, signal strength, connection type, and more. The following list contains icons that may appear in your display.



Display Screen Icons



Signal strength — Always appears when your phone is on and indicates the current signal strength. More lines indicate higher signal strength.



Service indicator — Indicates a call in progress. When dialing a number, this icon flashes until the call connects.



No service indicator — Indicates your phone cannot find a signal because you're outside a service area. You cannot make or receive calls. Wait for a signal or move into an open area to try and find a signal. The no service indicator always appears when you turn on your phone and disappears once service is located.



Roam — Roaming occurs when you use your phone outside your home area. While roaming, a wireless provider other than yours handles your call, so the service rate for the call may be higher than those made within your home area. Please refer to information from your Wireless Provider on roaming rates.



New Message — Indicates that you've received a new text, page, or web alert message. You're also notified by a visual and audible alert.



Voice Mail — Indicates that you've received a new voice mail.



1X Protocol — Indicates your phone is using the 1X protocol.



IS95-2G Protocol — Indicates your phone is using the IS95-2G protocol. This protocol is not capable of high speed data.



Battery strength — Indicates the battery charge level. The more black bars, the greater the charge. When the battery becomes very low, a flashing empty battery icon displays and the phone sounds an audible alert, which indicates your phone is about to shut down.



Alarm clock — The alarm clock is set.



GPS (911 only) — Your phone passes Global Positioning Service (GPS) location data only during 911 calls.



GPS (Location On) — Your phone passes GPS location data during all calls.



Vibrate — The ringer has been set to **Vibrate** using the volume key on the side of the phone. When you receive a call, the phone vibrates but does not ring.



Vibrate plus Ring — The ringer has been set to **Vibrate+Ring** using the volume key on the side of the phone. When you receive a call, the phone vibrates and rings.



Ring — The ringer has been set to **Level 1 – 5** or **1 Beep** using the volume key on the side of the phone. When you receive a call, the phone rings.



Ringer Silent — The ringer has been set to **Silent** using the volume key on the side of the phone.



Silent mode — Indicates your phone is in silent mode. Ringer is silenced for all alerts, incoming calls, and incoming messages. The phone alerts you of incoming calls, alerts, and messages by vibration and a flashing Service LED.

Dialogue Boxes

Dialogue boxes prompt for action, inform you of status, or warn of situations such as low memory. Dialogue boxes and their definitions are outlined below.

- **Choice**
 - Example: “Save to draft?”
- **Reconfirm**
 - Example: “Erase all inbox msgs?”
- **Performing**
 - Example: “Sending...” “Connecting...”
- **Completed**
 - Example: “Message Saved”
- **Information**
 - Example: “New Message”

- **Error**
 - Example: "System Error!"
- **Warning**
 - Example: "Battery Low," "Memory Full!"

Backlights

Backlights illuminate the internal and external displays and the keypad. When you press any key or open the phone, the backlights come on. They go off when no keys are pressed within a period of time set in the **Backlight** menu.

Note: During a phone call, the display backlights dim and turn off after five seconds to conserve battery power, regardless of the Backlight setting.

See "Backlight" on page 179 for more information.

External Display

Your phone has an external display on the outside of the folder. When you close the phone, the external display shows a digital clock.

Icons that appear in the external display indicate the following:

- Incoming calls and messages
- Alarms and alerts
- Battery charge level
- Signal strength

Your Phone's Modes

Call Answer Mode

You can select how you wish to answer a call.

1. In standby mode, press the **MENU** (left) soft key () , then press  (for **Setup**),  (for **Call Options**), and  for **Call Answer**. The following call answer options appear in the display:
 - **Send Key** — Only pressing  answers a call.
 - **Folder Open** — Opening the phone's folder or pressing  answers a call.
 - **Any Key** — Pressing any key except the  key or  key answers a call.
2. Use the navigation keys to highlight an option.
3. Press the  key to select the method for answering calls.

Input mode

Input mode determines how you enter text, numbers and symbols. While at any text entry screen, press the **Option** (left) soft key () , then choose the input mode from the pop-up menu using the navigation keys. Optional input modes are **T9 Word**, **ABC**, **Symbol**, **123**, and **Canned**. (See “Section 5: Entering Text” on page 63 for more information.)

Tip: You can also cycle between **T9 Word**, **ABC**, and **123** by repeatedly pressing and holding the  key until the phone beeps.

Lock Mode

When the phone is in Lock Mode, restrictions are placed on phone use. You can receive calls and messages, but cannot place outgoing calls (except for emergency numbers) until you unlock the phone. Lock Mode also restricts access to menus and the volume key. Unlock your phone by entering the lock code when prompted. (See “Change Lock” on page 190 for more information.)

Standby Mode

Standby mode is the state of the phone once it has found service and is idle. The phone goes into standby mode:

- After you power the phone on.
- When you press  after a call or from within a menu.

In standby mode, you will see the time, day, and date as well as all phone status icons.

1. While in standby mode, enter a phone number, and press  to place a call.
2. Press  to return to standby mode.

Receive Messages in Standby Mode

You can receive messages in standby mode. An alert tone sounds and a notification message appears in the display when a new message arrives.

- Press the **View** (right) soft key () to view now.
- Press the **Ignore** (left) soft key () to view later.

Talk Mode

You can place and receive calls only when your phone is on. While in a call your phone is in talk mode. Press the **MENU** (left) soft key () to display a list of menu options. See “In-Use Menu” on page 45 for more information.

Enter/Exit Silent Mode

Silence the tones your keypad makes when you press a key.

- In standby mode, press and hold . **Entering Silent Mode** briefly appears in the display and your phone returns to standby mode.
- While in Silent mode and standby mode, press and hold . **Exit Silent Mode** briefly appears in the display and your phone returns to standby mode.

Vibrate Mode

- In standby mode, repeatedly press the volume key () down until **Vibrate** appears in the display.

The volume key is on the upper left side of phone, near the left soft key ()

Adjust the Ringer

1. In standby mode, press the volume key () on the left side of the phone up or down. Options are:
 - Silent
 - 1 Beep
 - Vibrate
 - Vib+Ring
 - Level 1
 - Level 2
 - Level 3
 - Level 4
 - Level 5
2. When you are satisfied with the setting, press the  key. Your phone returns to standby mode.

Tip: You can also enter the **Volume/Vibrate** sub-menu by pressing the **MENU** (left) soft key () , then pressing the , , , and  keys. Use the volume key on the left side of your phone to adjust the ringer setting.

Note: The Vibrate icon () appears in the display when the phone is in **Vibrate** mode. The or Vibrate+Ring icon () appears in the display when the phone is in **Vib+Ring** mode.

Camera Mode

Camera mode lets you activate your phone's camera to take pictures. In Camera mode, you can also adjust the resolution and appearance of your pictures and videos.

See “Section 11: Camera” on page 129 for more information.

- **Entering Camera Mode** — In standby mode, press and hold one of the **Camera** keys ( ) on the keypad or on the upper right side of your phone.
- **Exiting Camera Mode** — Press the  key.

Section 3: Call Functions

Topics Covered

- Making a Call
 - Answering a Call
 - Calls
-

This section provides procedures for making and answering calls. This section also describes features, such as call logs and call timers, that help you make calls and manage your call time.

Making a Call

1. With the phone on, enter the number you wish to call using the keypad.
2. Press  to place the call.

Three-way Calling

Call two other numbers and connect them to your call using three-way calling.

1. In standby mode, enter the number for the first party in your call, then press .
2. When connected, ask the other party to remain on the line. Press  to place them on hold.
3. Enter the second party's phone number and press .
4. When the second party answers, press  to connect all three parties.

Manual Pause Calling

To manually call a number with pause(s) without storing it in your Contacts list:

1. In standby mode, enter the number you wish to call.
2. Press the **Option** (left) soft key (). The following pause options appear in the display:
 - **P pause** — A hard pause (waits for input from you).
 - **T pause** — A 2-second pause after which dialing resumes.
3. Use the navigation keys to highlight the desired pause.
4. Press the  key to enter the highlighted pause into the number sequence.
5. Press  to call the number.

Tip: Store pauses along with the number if you plan to call the number frequently.

Speed Dialing

Speed Dialing lets you place a call to any Contact stored in your Contacts list by dialing the Contact's Location number.

1-Touch Dialing

Use 1-touch dialing to speed dial Contacts from 001 (Voice Mail) through 009.

- In standby mode, press and hold the number key representing the desired Contact's Location number.

Example: To speed dial the Contact assigned Location 005, press and hold the  key.

2-Touch Dialing

Use 2-touch dialing to speed dial Contacts from 010 through 099.

1. In standby mode, press and release the number key representing the first digit of the desired Contact's Location number.
2. Press and hold the number key representing the second digit of the desired Contact's Location number.

Example: To speed dial the Contact assigned Location 035, press  then press and hold the  key.

3-Touch Dialing

Use 3-touch dialing to speed dial Contacts from 100 through 500.

1. In standby mode, press and release the number key representing the first digit of the desired Contact's Location number.
2. Press the number key representing the second digit of the desired Contact's Location number.
3. Press and hold the number key representing the third digit of the desired Contact's Location number.

Example: To speed dial the Contacts entry assigned to Location 325, press , press , then press and hold the  key.

Voice Dialing

The voice recognition capabilities of your SCH-a850 are exceptional due to advanced, speaker-independent technology. This means you do not need to “train” your phone to understand your voice. You can use your voice *in a natural manner* to dial numbers.

Note: End Calls Before relaunching the VoiceSignal voice recognition software — When you use Voice Dialing to make a call, you must end that call before you can use other Voice Commands. See for more information.

Use the **Voice Dial** command to dial any number stored in your Contacts list by saying the name of the contact (Name Dialing). You can also use Voice Dial to dial any valid telephone number, even numbers not stored in your contact list, by speaking the individual digits in the number (Digit Dialing).

Voice Dialing Tips:

- Wait for the beep before speaking.
- Speak clearly at a normal volume, as if you were talking to someone on the phone.
- When saying a name, say the first name then the last name.

Dialing a Name

To dial a name, do the following:

1. In standby mode, press and hold the  key.
 “**Say a Command**” appears in the display and is pronounced through the earpiece.
2. Say, “**Voice Dial**”.
 You are prompted to “**Say the name or number**”.
3. Speak clearly and say the name of a person in your Contacts list, first name followed by last name.
 If the name is recognized, Voice Dial repeats the name and dials the number.
 If Voice Dial is not sure which name you said, it displays a choice list of up to three names and prompts you with “**Did you say?**” followed by the first name on the list.
4. Say “**Yes**” to confirm the name or “**No**” to hear the next name, or use the keypad to select the correct name from the list. (See “Voice Setting — Choice Lists” on page 157, for more information.)
 - Press the **Repeat** (right) soft key () to say the name again.
 - Press the **Settings** (left) soft key () and press the **Cancel** right soft key () to exit Voice Dial without dialing.

If the recognized name has multiple numbers stored for it (that is, Mobile, Office, Home, and so on), Voice Dial displays the possible choices and prompts you with **“Which number?”**

5. Say one of the following number types:

- **“Home”**
- **“Office”**
- **“Mobile”**
- **“Pager”**
- **“Fax”**

Voice Dial dials the specified number.

Dialing a Number

To dial a number using Voice Dial, do the following:

1. In standby mode, press and hold the  key.
“Say a Command” appears in the display and is pronounced through the speaker.

2. Say **“Voice Dial”**.

VoiceSignal prompts you to **“Say the name or number.”**

3. Speak clearly and say the telephone number of the person you want to call. *For example, say “7 8 1 9 7 0 5 2 0 0.”*

If it recognizes the number, Voice Dial repeats it and dials the number. If Voice Dial is not sure it has recognized the number, it displays a choice list of up to three numbers and prompts you with **“Did you say?”** followed by the first number on the list.

4. Say “**Yes**” to confirm the number or “**No**” to hear the next one, or use the keypad to select the correct number from the list. (See “Voice Setting — Choice Lists” on page 157, for more information.)
 - Press the **Repeat** (right) soft key () to say the name again.
 - Press the **Settings** (left) soft key () and press the **Cancel** right soft key () to exit Voice Dial without dialing.

Pause Dialing From a Contacts Entry

- If you voice dial a contact that contains (two-second) T pause(s) simply wait for the pauses to pass and the dialing to complete.
- If you voice dial a contact that contains (hard) P pause(s), wait for the appropriate prompt(s) from the number you are calling (credit card number, bank account number, and so on) and enter the appropriate response(s).

Answering a Call

Incoming

When you receive a call, the phone displays one of the following:

- If the caller can be identified, the caller's number (or name if it's in your Contacts) appears in the display.
- If the caller cannot be identified, **Call from unavailable #**, **Call from restricted #**, or no number appears in the display.

Tip: Assign pictures to Contacts entries. The entry's assigned picture appears in the display when you receive a call from that entry. See “Assigning a Picture to a Contacts Entry” on page 85.

The phone continues to notify you of the call until one of the following events occur:

- You answer the call.
- The calling party ends the call.
- The call is sent to voicemail.

Call Notification Features

Your phone notifies you of a call in a variety of ways.

- Nine ring volume settings including 1-beep, Vibrate, Silent, or Vibrate+Ring.
- Different ring types or melodies to distinguish callers.
- Name display with caller ID. (If the caller's name is programmed into your Contacts).
- Information about the last 20 incoming, missed, and outgoing calls are automatically stored to a call log.

Set Call Ringer Volume

1. In standby mode, press the volume key on the left side of the phone.
2. Press the volume key up or down to set the call ringer volume as desired.

Adjust the Ringer

1. In standby mode, press the volume key (🔊) on the left side of the phone up or down. Options are:
 - Silent
 - 1 Beep
 - Vibrate
 - Vib+Ring
 - Level 1
 - Level 2
 - Level 3
 - Level 4
 - Level 5
2. Press **OK** once you're satisfied with the setting. The phone returns to standby mode.

Tip: You can also enter the **Volume/Vibrate** sub menu by pressing the left soft key () **MENU**, then pressing  (for **Set Up**),  (for **Sounds**),  (for **Volume/Vibrate**), and  (**Calls**). Use the volume key to adjust the ringer setting.

Note: The vibrate icon () appears in the display when the phone is in **Vibrate** mode. In **Vib+Ring** mode, the vibrate+ring icon () appears.

Call Answer

Select from three methods for answering calls. This option can be changed in the **Setup** menu.

1. In standby mode, press the left soft key () **MENU**, then press  (for **Setup**),  (for **Call Options**), and  for **Call Answer**. The following options appear in the display:
 - **Send Key** — Only pressing  answers a call.
 - **Folder Open** — Opening the phone's folder or pressing  answers a call.
 - **Any Key** — Pressing any key except  or  answers a call.
2. Use the navigation keys to highlight the **Call Answer** option of your choice.
3. Press  to activate the method for answering calls.

Call Waiting

If you're on a call, your phone beeps when another call is incoming. Contact your Wireless Carrier for availability.

1. Press  to connect and ask the calling party to remain on the line.

2. Press  and the second caller is placed on hold and you're returned to the original caller.
3. Press  to alternate between calls.

Caller ID

Caller ID lets you identify who is calling you by displaying a caller's number. If the caller's name and number are stored in Contacts, the caller's name also appears. If you've assigned a picture to the entry, it appears in the display as well.

Call Block

You can prevent your number from displaying on another phone's caller ID screen by enabling **Call Block**.

1. In standby mode, enter , , .
2. Enter the number you wish to call, then press .

Silence an Incoming Ring

During an incoming call, any of the following keys can be pressed to silence the ringer:

- The up or down volume key () on the left side of the phone.
- The END key (.
- The camera key () on the right side of the phone, but only when the phone is closed.

Ignore an Incoming Call

Ignored calls are immediately forwarded to Voice Mail.

- During an incoming call, press the **Ignore** (left) soft key (). The incoming call is forwarded to Voice Mail.

In-Use Menu

You can access a number of menus and features even while in a call.

1. While in a call, press the **MENU** (left) soft key (). The following options appear in the display:
 - **Calls** — View your call logs.
 - **Contacts** — Display the Contacts menu.
 - **Voice Memo** — Record a voice memo.
 - **Silent/Quit** — Silence keypad tones.
 - **Send Tel#** — Send your phone number (if you're the recipient of the call). Send the recipient's phone number (if you're the originator of the call).
 - **Send DTMF** — Send your phone number as tones (if you're the recipient of the call). Send the recipient's phone number as tones (if you're the originator of the call).
 - **Voice Privacy** — Prevent recipients of your calls from seeing your number on their display.
 - **Location** — Turn your GPS location on or set GPS location for emergency calls only.
 - **Version** — View the software and hardware version information for your phone.
2. Do one of the following:
 - Use the navigation key to highlight a menu or feature. Press the  key to open the highlighted menu or to activate the highlighted feature.
 - Press the **MUTE/Unmute** (left) soft key () to disable/enable the microphone.
 - Press the **Back** (right) soft key () to exit the menu.

Calls

Your phone has Call Logs that retain information about Outgoing, Incoming, and Missed Calls. The **Calls** menu lets you access this information for future reference, to return calls, and to add new Contacts. You can also view times for your last call and the total of all calls.

Tip: To quickly view a list of your most recent calls (outgoing, incoming, and missed), briefly press the **SEND** key in standby mode. The Recent Calls screen listing to 20 of your most recent calls appears in the display.

Outgoing

The last 20 outgoing calls are stored in the Outgoing calls log. Review the Outgoing calls log for the time and date of a call, as well as other information.

1. In standby mode, press the **MENU** (left) soft key () , then press  (for **Calls**) and  for **Outgoing**. A list of your outgoing calls appears in the display.
2. Use the navigation keys to highlight a call, then press  to view further information about the call.
3. Press the **Option** (left) soft key (). The following options appear in the display:
 - **Talk** — Call the selected number.
 - **Save** — Save the number to your Contacts.
 - **Prepend** — Add a prefix to the number.
 - **Erase** — Erase the selected call from your Outgoing call list.
4. Use the navigation keys to highlight an option.
5. Press  to perform the highlighted option's function.

Incoming

The last 20 Incoming calls are stored in your phone's Incoming call log. You can review the Incoming call log for time and date of the call, as well as other information.

1. In standby mode, press the **MENU** (left) soft key () , then press  (for **Calls**) and  for **Incoming**. A list of your Incoming calls appears in the display.
2. Use the navigation keys to highlight a call, then press  to view further information about the call.
3. Press the **Option** (left) soft key () to display a pop-up menu containing the following options:
 - **Talk** — Call the selected number.
 - **Save** — Save the number to your Contacts.
 - **Prepend** — Add a prefix to the number.
 - **Erase** — Erase the selected call from your Incoming call list.
4. Use the navigation keys to highlight an option.
5. Press  to perform the highlighted option's function.

Missed

The last 20 missed calls (calls not picked up) are stored in the Missed call log. Review the Missed call log for the time and date of the call, as well as other information.

1. In standby mode, press the **MENU** (left) soft key () , then press  (for **Calls**) and  for **Missed**. A list of your missed calls appears in the display.
2. Use the navigation keys to highlight a call, then press  to view further information about the call.

3. Press the **Option** (left) soft key () to display a pop-up menu that contains the following options:
 - **Talk** — Call the selected number.
 - **Save** — Save the number to your Contacts.
 - **Prepend** — Add a prefix to the number.
 - **Erase** — Erase the selected call from your Incoming call list.
4. Use the navigation keys to highlight an option.
5. Press  to perform the highlighted option's function.

Erase Logs

You can erase Outgoing, Incoming, Missed, or All Calls.

Erase All Calls

1. In standby mode, press the **MENU** (left) soft key () , then press  (for **Calls**),  (for **Erase Logs**), and  for **All Calls**. “**Erase All Calls?**” appears in the display as well as the options **Yes** and **No**.
2. Use the navigation keys to highlight **Yes** to erase all calls from the call logs, then press , or highlight **No** and press  to exit without erasing call logs.

Call Timer

View the duration of your last call, total calls, and calls made during the life of your phone using the Call timer feature. Call timer is not for billing purposes.

1. In standby mode, press the **MENU** (left) soft key () , then press  (for **Calls**) and  for **Call Timer**. The following options appear in the display:
 - **Last Call** — View the duration of your last call.
 - **Total** — View the duration of total, incoming and outgoing calls made on your phone since the last erasure.

- **LifeTime** — View the duration of all calls on your phone since activation (LifeTime timers cannot be erased).
 - **Erase Total** — Erases the counters for the Total call timer.
2. Press the number of the option you wish enter, or use the navigation keys to highlight the option and press **OK**.
 3. Press **OK** to exit the **Option** menu.

Note: Although Total call timers can be erased, LifeTime call timers can never be erased.

Data Counter

Use Data Counter to view the amount of data that has been sent or received (or a total of both) using the data services that your phone supports. The Data Counter can be a helpful tool for monitoring data usage, especially if your service agreement has specified limits.

1. In standby mode, press the **MENU** (left) soft key (**000**), then press **2 abc** (for **Calls**) and **6 mm** for **Data Counter**. The following options appear in the display:
 - **Transmit** — View the amount of data (in kilobytes) that your phone has transmitted since last being reset.
 - **Received** — View the amount of data (in kilobytes) that your phone has received since last being reset.
 - **Total** — View the amount of data (in kilobytes) that your phone has transmitted and received since last being reset.
 - **Erase Total** — Erase (reset) the Transmit, Received, and Total data counters.

Store Numbers from Call Logs

Store numbers from your **Outgoing**, **Incoming**, and **Missed** call logs to Contacts.

Tip: In standby mode, briefly press  to display the **Recent Calls** list. You can then select any call in the list to save to **Contacts**.

1. In standby mode, press the **MENU** (left) soft key () , then press  for **Calls**.
2. Press the corresponding number on the keypad to view call logs for the following call types.
 -  for **Outgoing**
 -  for **Incoming**
 -  for **Missed**
3. Use the navigation keys to highlight the number you wish to store in Contacts and press .
4. Press the **Option** (left) soft key () , then use the navigation keys to highlight **Save**.
5. Choose to add the number as a **New Entry**, or **Find** a number in your Contacts with which to associate the number.
6. Follow the prompts to store the number to the Contacts.

Section 4: Menu Navigation

Topics Covered

- Menu Navigation
 - Menu Shortcuts
 - Navigation Key Shortcuts
 - Navigate Using a Shortcut
 - Menu Outline
-

This section explains the menu navigation for your phone. It also includes an outline of all the available menus associated with your phone.

Menu Navigation

Access the menus and sub menus in your phone using the navigation key () and soft keys ( ) or use a shortcut.

1. In standby mode press the **MENU** (left) soft key ().
The first of several menus appear in the display.

Note: More than one menu may appear in your display. This setting can be modified in the **Display/Menu Style** menu.

2. Use the navigation key to browse through the menus.
3. Press  to enter the menu or sub menu that appears in the display.
4. Press the right soft key () **Back** to return to the previous menu.

Return to the Previous Menu

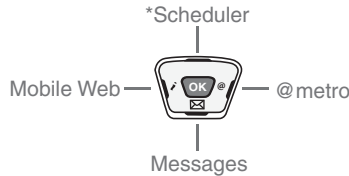
- Press the right soft key () **Back** to return to a previous menu.
- When **Back** does not appear in the display, press  to return to the previous menu.

Menu Shortcuts

Use shortcuts to quickly access menus and sub menus. Press the **MENU** (left) soft key () , then press the number to the right of the menu to jump to the desired menu, sub menu, or feature. For example, to jump to the Outbox sub menu, press the **MENU** (left) soft key () , then press  (for **Messages**) and  for **Outbox**.

Navigation Key Shortcuts

In standby mode, press a navigation key to launch the key's corresponding application.



*Scheduler can be customized. Press the **Menu** (left) soft key (), then press , .

Navigate Using a Shortcut

You can also access menus and sub menus using menu numbers. Enter the menu number after pressing the **MENU** (left) soft key () to go directly to the menu or sub menu of your choice. Before you can navigate using a shortcut, you'll need the menu or sub-menu number that you wish to access.

Tip: Use the list of menus and sub menus, which begins on page 54, to navigate using shortcuts.

1. In standby mode, press the **MENU** (left) soft key ().
2. Press the number of the menu, sub menu, and so on for the feature that you wish to access.

Example: Press the left soft key () for **MENU**, then press , . This takes you to the **Tools** (Menu 8), and then to the **To Do List** (sub menu 5).

Menu Outline

1 Contacts

- 1.1 Find
- 1.2 Add
 - 1.2.1 Number
 - 1.2.2 E-Mail
- 1.3 Rename Group
 - 1.3.1 Friend
 - 1.3.2 Family
 - 1.3.3 Colleague
 - 1.3.4 VIP
 - 1.3.5 No Name
- 1.4 My Phone#
- 1.5 Memory

2 Calls

- 2.1 Outgoing
- 2.2 Incoming
- 2.3 Missed
- 2.4 Erase Logs
 - 2.4.1 Outgoing
 - 2.4.2 Incoming
 - 2.4.3 Missed

- 2.4.4 All Calls
- 2.5 Call Timer
 - 2.5.1 Last Call
 - 2.5.2 Total
 - 2.5.3 LifeTime
 - 2.5.4 Erase Total
- 2.6 Data Counter
 - 2.6.1 Transmit
 - 2.6.2 Received
 - 2.6.3 Total
 - 2.6.4 Erase Total

3 Messages

- 3.1 New Text Msg
- 3.2 New Pic Msg
- 3.3 New Handwr.Msg
- 3.4 Inbox
- 3.5 Outbox
- 3.6 Draft Box
- 3.7 Voice Mail
- 3.8 Msg Setting
 - 3.8.1 Text
 - 3.8.1.1 Save In Outbox
 - 3.8.1.2 Insert Sign.
 - 3.8.1.3 Delivery Ack
 - 3.8.1.4 Direct View
 - 3.8.1.5 Signature
 - 3.8.1.6 Callback #
 - 3.8.1.7 Block Address

3.8.2 Pic. Msg

3.8.2.1 Save In Outbox

3.8.2.2 Delivery Ack

3.8.2.3 Retrieval Mode

3.8.3 General

3.8.3.1 Entry Mode

3.8.3.2 Canned Msg.

3.8.3.3 Msg. Alert

3.8.3.3.1 Volume/Vibrate

3.8.3.3.2 Type

3.8.3.3.3 Reminder

3.8.3.4 Auto Delete

3.8.3.5 Voice Mail #

3.9 Erase Msg**3.9.1 Voice****3.9.2 In Box****3.9.3 Out Box****3.9.4 Draft****3.9.5 All Messages****4 Mobile Web****4.1 Get In Web****5 @metro****5.1 @metro****6 Gallery****6.1 Image Gallery****6.1.1 Preloaded****6.1.2 Downloaded**

- 6.2 Melody Gallery
 - 6.2.1 Preloaded
 - 6.2.2 Downloaded
- 6.3 Animelody Gallery

7 Camera

- 7.1 Take a Picture
- 7.2 Picture Gallery
- 7.3 Settings
 - 7.3.1 Brightness
 - 7.3.2 Fun Frames
 - 7.3.3 Color Tones
 - 7.3.4 Shutter Sound
 - 7.3.5 Quality
 - 7.3.6 White Balance

8 Tools

- 8.1 Voice Recognition
 - 8.1.1 Voice Command
 - 8.1.2 Voice Memo
 - 8.1.2.1 Record
 - 8.1.2.2 Review
 - 8.1.2.3 Erase All
 - 8.1.3 TTS
 - 8.1.4 Voice Setting
 - 8.1.4.1 Digit Dialing
 - 8.1.4.1.1 Adapt Digits
 - 8.1.4.1.2 Reset Digits
 - 8.1.4.2 Sensitivity

- 8.1.4.2.1 Commands
- 8.1.4.2.2 Names
- 8.1.4.3 Choice Lists
 - 8.1.4.3.1 Name Dialing
 - 8.1.4.3.2 Digit Dialing
 - 8.1.4.3.3 Contacts
- 8.1.4.4 Sound
 - 8.1.4.4.1 Prompts
 - 8.1.4.4.2 Digits
 - 8.1.4.4.3 Names
 - 8.1.4.4.4 Name Settings
- 8.1.4.5 Voice Launch
- 8.1.4.6 About
- 8.2 Today
- 8.3 Scheduler
- 8.4 Jump To Date
- 8.5 To Do List
- 8.6 Memo Pad
- 8.7 Count Down
- 8.8 Alarm Clock
 - 8.8.1 Alarm Clock 1
 - 8.8.2 Alarm Clock 2
 - 8.8.3 Alarm Clock 3
- 8.9 World Time
- 8.0 Calculator

9 Setup

- 9.1 Location
- 9.2 Display
 - 9.2.1 Menu Style
 - 9.2.2 Animation
 - 9.2.2.1 Opening

- 9.2.2.1.1 My Image
 - 9.2.2.1.2 Preloaded
 - 9.2.2.2 Closing
 - 9.2.2.2.1 My Image
 - 9.2.2.2.2 Preloaded
 - 9.2.2.3 Wallpaper
 - 9.2.2.3.1 My Image
 - 9.2.2.3.2 Preloaded
- 9.2.3 Banner
- 9.2.4 Backlight
 - 9.2.4.1 LCD
 - 9.2.4.2 Keypad
 - 9.2.4.3 Power save
- 9.2.5 Auto Hyphen
- 9.2.6 Dial Digits
- 9.2.7 Dial Screen
- 9.2.8 Contrast
 - 9.2.8.1 Main LCD
 - 9.2.8.2 Front LCD
- 9.2.9 Service LED
- 9.3 Sounds
 - 9.3.1 Volume/Vibrate
 - 9.3.1.1 Calls
 - 9.3.1.2 Alarm
 - 9.3.2 Ringer Type
 - 9.3.2.1 Calls
 - 9.3.2.2 Alarm
 - 9.3.2.3 Data
 - 9.3.2.4 Planner
 - 9.3.3 Key Beep
 - 9.3.3.1 Volume
 - 9.3.3.2 Tone Length

- 9.3.4 Alerts
 - 9.3.4.1 Minute Beep
 - 9.3.4.2 Service
 - 9.3.4.3 Connect
 - 9.3.4.4 Disconnect
 - 9.3.4.5 Fade
 - 9.3.4.6 Roam
 - 9.3.4.7 Privacy
- 9.3.5 Power On/Off
- 9.3.6 Roam Ringer
- 9.3.7 Whisper Mode
- 9.4 Network
 - 9.4.1 Set NAM
 - 9.4.2 Roam Option
- 9.5 Security
 - 9.5.1 Lock Phone
 - 9.5.2 Change Lock
 - 9.5.3 Emergency #
 - 9.5.4 Voice Privacy
 - 9.5.5 Restriction
 - 9.5.5.1 Outgoing
 - 9.5.5.2 Incoming
 - 9.5.5.3 Contacts
 - 9.5.6 Erase Memory
 - 9.5.7 Reset Phone
- 9.6 Call Options
 - 9.6.1 Auto Retry
 - 9.6.2 Data
 - 9.6.2.1 Auto Detect

- 9.6.2.2 Baud Rate
- 9.6.3 Call Answer
- 9.6.4 Auto Answer
- 9.6.5 TTY Mode
- 9.6.6 Airplane Mode
- 9.7 Shortcut
- 9.8 Language
- 9.9 Clock Set
- 9.0 Version

Section 5: Entering Text

Topics Covered

- Changing the Text Entry Mode
 - Using T9 Mode
 - Entering Upper and Lower Case
 - Entering Symbols
 - Entering Numbers
-

This section outlines how to select the desired text input mode when entering characters into your phone. This section also describes how to use the T9 predictive text entry system to reduce the number of key strokes you must make when entering text.

Changing the Text Entry Mode

Text messages can be made up of alphabetical characters, numbers, and symbols. You can use the following text entry modes to simplify text entry:

- **T9 Word** — Press each key only once to enter the letter of the word that you're spelling.
- **ABC** — Enter letters, numbers, and symbols by repeatedly pressing each key until the desired character (as shown on the key) appears in the display. ABC mode letter options are:
 - **ABC** — Enter all upper case letters
 - **Abc** — Enter initial capital letters
 - **abc** — Enter all lower case letters
- **Symbol** — Enter symbols into your message by pressing the number above the symbol in the **Symbol** pop-up window.
- **123** — Enter numbers by pressing the corresponding key on the keypad.
- **Canned** — Select some pre-composed text for inclusion in your message.

The current text entry mode (**ABC**, **123**, or **T9 Word**) is indicated in the lower part of a text entry screen. To change the text entry mode, do the following:

- While composing a text message, press the **Option** (left) soft key (). The following options appear in the display:
 - **T9 Word**
 - **ABC**
 - **Symbol**
 - **123**
 - **Canned**

Note: The **Canned** option is initially hidden in the pop-up menu. Use the navigation keys to scroll down and select this option.

Using T9® Mode

T9 Word recognizes commonly used words for the numeric sequence of key presses and inserts the word into your message. T9 Word is much faster than the traditional method of text entry (**ABC**) and *requires only one key press per letter* of the word that you're spelling.

1. In standby mode, press the **MENU** (left) soft key () , then press  (for **Messages**) and  for **New Text Msg**.
2. Enter the phone number of the recipient, then press .
3. Press the **Option** (left) soft key (). The following options appear in the display:
 - **T9 Word**
 - **ABC**
 - **Symbol**
 - **123**
 - **Canned**

Note: The **Canned** option is initially hidden in the pop-up menu. Use the navigation keys to scroll down and select this option.

4. **T9 Word** is highlighted. Press .

- For practice, enter the word “Samsung” by pressing each of the following keys *only once*:



T9 Word recognizes that the most commonly used word for the numeric sequence you just entered is “Samsung.” If more than one word shares the same numeric sequence, T9 Word provides the most commonly used word. Press **0** (x) to display other words, if available.

Entering Upper and Lower Case

- In standby mode, press the **MENU** (left) soft key () , then press  (for **Messages**) and  for **New Text Msg.**
- Enter the phone number of the recipient, then press .
- Press the **Option** (left) soft key (). The following options appear in the display:
 - T9 Word**
 - ABC**
 - Symbol**
 - 123**
 - Canned**

Note: The **Canned** option is initially hidden in the pop-up menu. Use the navigation keys to scroll down and select this option.

4. **T9 Word** is highlighted. Use the navigation keys to highlight **ABC**, then press .

 - Enter characters while in ABC mode by pressing the key labeled with the desired characters (such as  for “h”).
 - Press the key repeatedly until the desired character appears in the display.
 - Pause briefly and the displayed character is accepted and inserted into your message.
 - Press  to enter a space.

Entering Symbols

Symbol mode enables you to enter symbols such as “@” or “%” into a text message.

1. In standby mode, press the **MENU** (left) soft key () , then press  (for **Messages**) and  for **New Text Msg.**
2. Enter the phone number of the recipient, then press .
3. Press the **Option** (left) soft key (). The following options appear in the display:
 - **T9 Word**
 - **ABC**
 - **Symbol**
 - **123**
 - **Canned**

Note: The **Canned** option is initially hidden in the pop-up menu. Use the navigation keys to scroll down and select this option.

4. **T9 Word** is highlighted. Use the navigation keys to highlight **Symbol**, then press **OK**. The first of four symbol screens appear in the display.
5. Use the navigation keys to page through the other symbols, if desired.
6. Press the key that corresponds with the symbol that you wish to enter. For example, press **4 ght** for an exclamation point (!).
7. Repeat steps 3 through 6 to insert as many symbols into your message as desired.

Entering Numbers

Enter numbers into a text message while in **123** mode.

1. In standby mode, press the **MENU** (left) soft key (**ooo**), then press **3 def** (for **Messages**) and **1 @ *** for **New Text Msg**.
2. Enter the phone number of the recipient, then press **OK**.
3. Press the **Option** (left) soft key (**ooo**). The following options appear in the display:
 - **T9 Word**
 - **ABC**
 - **Symbol**
 - **123**
 - **Canned**

Note: The **Canned** option is initially hidden in the pop-up menu. Use the navigation keys to scroll down and select this option.

4. **T9 Word** is highlighted. Use the navigation keys to highlight **123**, then press .
5. Press the key containing the corresponding number that you wish to insert into your message.



Section 5

Section 6: Understanding Your Contacts

Topics Covered

- Contacts
 - Adding a New Contacts Entry
 - Finding a Contacts Entry
 - Renaming a Contacts Group
 - Editing an Existing Contacts Entry
 - Saving a Number After a Call
 - Deleting a Contacts Entry
 - Finding My Phone Number
 - Memory
-

This section details how you can manage your daily contacts by storing their names and numbers in your Contacts list. You can have your Contacts entries sorted by name, entry, or group.

Contacts

Up to 500 entries can be stored in Contacts. Each entry can have up to five associated phone numbers and two e-mail addresses. Each phone number can be up to 32 digits in length, including hard pauses, and associated names can be up to 22 characters in length. You can specify the memory location of your choice for each entry. You can also mark your Contacts list as Restricted to prevent unauthorized viewing. (See “Restriction” on page 193 for more information).

Note: You cannot store numbers to locations 311 or 411 in your Contacts. These locations are reserved for emergency numbers only.

Tip: One-Touch Dialing, Two-Touch Dialing, and Three-Touch Dialing allow you to call numbers stored in Contacts faster.

Open Contacts

1. In standby mode, press the **MENU** (left) soft key () , then press  (for **Contacts**). The following options appear in the display:
 - **Find** — Find a phone number By Name, By Entry, or By Group.
 - **Add** — Add a number or e-mail to your Contacts.
 - **Rename Group** — Rename one of your five groups.
 - **My Phone#** — View the 10-digit number assigned to your phone by your wireless carrier.
 - **Memory** — Display available memory for Contact entries.
2. Use the navigation keys to highlight the option of your choice, and press the  key.

Tip: You can also press the keypad number key that corresponds to the menu option number.

Adding a New Contacts Entry

You can use either of two methods to add an entirely new entry to Contacts.

Dial Method

1. Using the keypad, enter the number you wish to add to your Contacts.
2. Press the **Save** (right) soft key () . The following options appear in the display:
 - **New Entry** — Lets you create a new Contacts entry.
 - **Find** — Lets you add the number you entered to an existing Contacts entry.
3. Use the navigation keys to select **New Entry** and press the  key. The Select Type screen appears in the display showing the following icons:



Home



Office



Mobile



Pager



Fax

4. Use the navigation keys to highlight the type that matches your new entry, then press the  key.
5. Use the keypad to enter a name to associate with the Contacts entry.
6. Press the  key to save the entry.

Menu Method

1. In standby mode, press the **MENU** (left) soft key () , then press  (for **Contacts**) and  for **Add**. The following options appear in the display:
 - **Number**
 - **E-Mail**
2. Use the navigation keys to highlight the desired option, then press the  key.
3. Enter information for the selected option, then press the  key. The following Confirm options appear in the display:
 - **New Entry**
 - **Find**
4. With **New Entry** highlighted, press the  key. The following (number type) icons appear in the display:



Home



Office



Mobile



Pager



Fax

Use the navigation keys to highlight the type that matches your new entry, then press the  key.

5. Use the keypad to enter a name to associate with the Contacts entry.
6. Press the  key to save the entry.

Finding a Contacts Entry

Shortcut Method

You can use the **CONTACTS** shortcut (right soft) key to view contact information stored in your Contacts list.

1. In standby mode, press **CONTACTS** (right) soft key (). The **Find** screen appears in the display with **By Name** showing.
2. Use the navigation keys to select the method you want to use to find an entry. The following find methods appear in the display:
 - **By Name** — Search Contacts alphabetically by name.
 - **By Entry** — Search Contacts by entry number.
 - **By Group** — Search Contacts by selecting one of the five available groups.

Voice Method

You can also use the VoiceSignal **Contacts** command to view contact information for any named contact stored in your Contacts list by saying the name.

Note: The **Contacts** command shows the requested contact information in the display but does not dial any phone numbers for the contact.

To look up information for a specific contact:

1. In standby mode, press and hold the  key to launch **VoiceSignal**.
“**Say a Command**” appears in the display and is pronounced through the speaker.
2. Say “**Contacts**”.
VoiceSignal prompts you to “**Say the name.**”

3. Speak clearly and say the full name of the person you want to call, exactly as it is entered in your contact list.
 - If VoiceSignal recognizes the name you said, the contact information for that name appears in the display.
 - If VoiceSignal does not recognize the name you said, a choice list of up to three names appears in the display, and VoiceSignal prompts you with “**Did you say?**” followed by the first name on the list.
4. Say “**Yes**” to confirm the name or “**No**” to hear the next name, or use the keypad to select the correct name from the list. (See “Voice Setting — Choice Lists” on page 157, for more information.)
 - To say the name again, press the **Repeat** (right) soft () key.
 - To exit VoiceSignal without dialing, press the **Settings** (left) soft () key and press the **Cancel** (right) soft () key.
5. The contact information for the name you selected appears in the display.

Menu Method

If you’ve stored a name entry in Contacts, **Find** allows you to find it quickly.

1. In standby mode, press the **MENU** (left) soft key () , then press  (for **Contacts**) and  for **Find**. The **Find** screen appears in the display with **By Name** showing.
2. Use the navigation keys to select the method you want to use to find an entry. The following find methods appear in the display:
 - **By Name** — Search Contacts alphabetically by name.
 - **By Entry** — Search Contacts by entry number.

- **By Group** — Search Contacts by selecting one of the five available groups.

Find by Name

1. With **By Name** showing in the **Find** screen, enter a name as *entered in Contacts*. For example, if you saved the name as Amy Smith, begin the search by pressing  (for “A”).

As you enter letters, the entry number and names of the closest matches appear in the display.

2. When the desired entry appears in the display, use the navigation keys to highlight the entry (if necessary).
3. Press  to dial the number associated with the name.
4. Press the  key to view information about the entry.
5. Press the **Option** (left) soft key (). The following options appear in the display:
 - **Edit** — Edit details of the highlighted name.
 - **Erase** — Erase the name and associated information.
 - **Add New** — Add a new entry to Contacts.
6. Use the navigation keys to highlight an option, then press the  key. The highlighted option's sub menu appears in the display.

Find by Entry

This option allows you to find a stored entry by its location number.

1. With **By Name** showing in the **Find** screen, press the **Up** navigation key to highlight **By Name**.
2. Use the **Left** and **Right** navigation keys to show **By Entry**.

3. Enter the number that corresponds to the entry, or use the navigation keys to highlight the desired entry.
4. Once the entry is highlighted, press the **Option** (left) soft key () . The following options appear in the display:
 - **Edit** — Edit details of the highlighted name.
 - **Erase** — Erase the Name and associated information.
 - **Add New** — Add a new entry to your Contacts.
5. Use the navigation keys to highlight an option, then press the  key. The highlighted option's sub menu appears in the display.

Find by Group

This option allows you to find a stored entry in a related group.

1. With **By Name** showing in the **Find** screen, press the **Up** navigation key to highlight **By Name**.
2. Use the **Left** and **Right** navigation keys to show **By Group**.
3. Press the **Down** navigation key briefly to highlight the group name field.
4. Use the **Left** and **Right** navigation keys to show the name of the group that you wish to search. As each group name appears in the display, entries assigned to that group also appear in the display beneath the group name.
5. Use the navigation keys to highlight the desired entry.
6. Press the  key to display information about the entry.

Renaming a Contacts Group

Use this option to rename a group in Contacts.

1. In standby mode, press the **MENU** (left) soft key () , then press  (for **Contacts**) and  for **Rename Group**.
2. Use the navigation keys to highlight the group name that you wish to change, then press the  key. The current name of the group appears in the display with a flashing cursor at the end of the name.
3. Enter changes to the group name using the keypad. See “Section 5: Entering Text” on page 63 for more information.
4. When you have completed your changes to the group name, press the  key.

Editing an Existing Contacts Entry

Editing Contacts Name and Numbers

1. Find the Contacts entry you wish to change. See “Finding a Contacts Entry” on page 75 for more information.
2. Use the navigation keys to highlight the entry and press the  key.
3. Use the navigation keys to highlight the contents of a field within the entry that you wish to change, then press the **Option** (left) soft key (). The following pop-up menu options appear in the display:
 - **Talk** — Dials the highlighted number.
 - **Edit** — Lets you change the highlighted number.

- **Erase** — Deletes the highlighted number.

Important! If a Contacts entry has only one number, selecting the **Erase** option can delete the Contacts entry itself.

4. Use the navigation keys to highlight **Edit**, then press the  key.
 - Press  to backspace and delete numbers or letters.
 - Press and hold  to clear all numbers or letters in the highlighted field.
5. When you're finished changing the contents of a field, press the  key. Your changes are saved and a confirmation message appears in the display.

Add Pauses to Contacts Numbers

Calls to automated systems such as banking services often require a password or account number. Instead of manually entering these numbers, you can store them in a Contacts entry with the phone number and with special characters called pauses, up to a maximum of 32 digits.

- **P pause** — Stops the calling sequence until the phone receives further input.
- **T pause** — Stops the calling sequence for two seconds, then sends the remaining digits.

Note: You can enter multiple two-second pauses to extend the length of a pause. For example, two consecutive two-second pauses cause a total pause time of four seconds. Keep in mind pauses count as digits towards the 32-digit maximum.

To add pauses to a Contacts entry number, do the following:

1. Find the Contacts entry associated with the number you want to include one or more pauses. See “Finding a Contacts Entry” on page 75 for more information.
2. Select and edit the desired number. See “Editing an Existing Contacts Entry” on page 79 for more information.
3. Press the **Option** (left) soft key () . The following pause options appear in the display:
 - **P pause** — A hard pause (waits for input from you).
 - **T pause** — A 2-second pause after which dialing resumes.
4. Use the navigation keys to highlight the pause option of your choice.
5. Press the  key to enter the highlighted pause into the number sequence.
6. When you're finished entering information, press the  key to store the number to Contacts.

Pause Dial from Contacts

1. If you stored the number using (two-second) T pause(s), simply recall the number from Contacts.
2. If you stored the number using (hard) P pause(s), recall the number from Contacts and wait for the appropriate prompt from the dialed number.
3. Press  to dial the number.

Edit an Existing E-mail Address

1. Find the Contacts entry you want to edit. See “Finding a Contacts Entry” on page 75 for more information.
2. Use the navigation keys to highlight the desired Contacts entry.

3. Press the **Option** (left) soft key (). A pop-up menu appears in the display with **Edit** highlighted.
4. Press the  key. The selected Contacts entry information appears in the display.
5. Use the navigation keys to highlight the **E-Mail** field.
6. Use the keypad to edit the e-mail address. See “Section 5: Entering Text” on page 63 for more information.
7. Press the  key to save your changes.

Adding an @ Symbol

To insert the @ symbol in an e-mail address, do the following:

1. If needed, use the navigation keys to move the cursor to the appropriate place in the e-mail address.
2. Press the **Option** (left) soft key ().
3. Use the navigation keys to select the **Symbol** option, then press the  key.
4. Press  to enter the @ symbol.
5. Press the  key to save your changes.

Adding a Domain Type (.com, .edu, or .net)

1. If needed, use the navigation keys to move the cursor to the appropriate place in the e-mail address.
2. Press the **Option** (left) soft key ().
3. Use the navigation keys to highlight **.com**, then use the navigation keys to show the desired domain type (**.com**, **.edu**, **.net**), then press the  key.
4. Press the  key to save your changes.

Assign a Speed Dial Location to a Contacts Entry

A Contacts entry's Location number corresponds to the number keys you press to speed dial that entry. For example:

- To speed dial the Contacts entry assigned to Location 005, press and hold the  key, (1-touch dialing).
- To speed dial the Contacts entry assigned to Location 035, press  then press and hold the  key, (2-touch dialing).
- To speed dial the Contacts entry assigned to Location 235, press , press , then press and hold the  key (3-touch dialing).

Location numbers can be assigned automatically or manually during new entry creation or can be changed by editing an existing entry.

Automatic Location Assignment

To let your phone automatically assign a Location number to a new Contacts entry, do the following:

- Create the new Contacts entry by following either of the procedures provided in “Adding a New Contacts Entry” on page 73.

Manual Location Assignment

To manually assign a Location number to a new Contacts entry, do the following:

1. Follow either of the New Contacts entry procedures (see “Adding a New Contacts Entry” on page 73) until you enter a name for the entry.
2. After entering the Contacts entry name, **do not press** the  key. Instead, use the navigation keys to highlight the **Location** field.

3. Enter the new location using the keypad.

Tip: You can also use the **Left** and **Right** navigation keys to browse empty speed dial locations.

Important! Do not enter Location values 001, 311, or 411. These numbers are already assigned to Voicemail (001) and to special network features (311, 411).

4. Press the  key to save your changes.

Changing a Speed Dial Location

1. Find the Contacts entry you want to edit. See “Finding a Contacts Entry” on page 75 for more information.
2. Use the navigation keys to highlight the desired entry.
3. Press the  key.
4. Use the navigation keys to highlight the **Location** field.
5. Press the **Edit** (left) soft key (.
6. Enter the new location using the keypad.

Tip: You can also use the **Left** and **Right** navigation keys to browse empty speed dial locations.

Important! Do not enter Location values 001, 311, or 411. These numbers are already assigned to Voicemail (001) and to special network features (311, 411).

7. Press the  key to save your changes.

Assign Speed Dial Types

If you have more than one number (or type, such as Mobile or Office) for an entry, you can select which of

those numbers are dialed when the associated speed dial key is pressed by doing the following:

1. Find the Contacts entry you want to edit. See “Finding a Contacts Entry” on page 75 for more information.
2. Use the navigation keys to highlight the desired entry.
3. Press the **OK** key.
4. Use the navigation keys to highlight the **SpeedDial** field, then press the **Edit** (left) soft key (.
5. Use the **Left** and **Right** navigation keys to select the desired number (type) for speed dialing.
6. Press the **OK** key. Your changes are saved.

Assigning a Picture to a Contacts Entry

When you assign a picture to a Contacts entry, the picture that you assigned to the entry appears in the display when you receive a call from the entry.

1. Find the Contacts entry you want to edit. See “Finding a Contacts Entry” on page 75 for more information.
2. Use the navigation keys to highlight the desired Contact.
3. Press the **OK** key. Contact information appears in the display.
4. Use the navigation keys to highlight the **Picture ID** field, then the **Option** (left) soft key (). A pop-up menu appears in the display with the **Edit** option highlighted.
5. Press the **OK** key. The following options appear in the display:
 - **No Image**
 - **Image Gallery**
 - **Photo Gallery**

6. Use the navigation keys to highlight **Image Gallery** or **Photo Gallery**.
7. Press the  key.
8. Use the navigation keys to highlight the image or picture that you wish to assign to the Contacts entry.
9. Press the  key. The Contacts entry screen appears in the display with the selected image or picture file name in the Picture ID field.
10. Press the  key to save the Picture ID assignment to the selected Contacts entry.

Saving a Number After a Call

Once you finish a call, you can store the caller's number to your Contacts list.

Note: If the call was incoming and Caller ID information was unavailable, then the **Save** option is also unavailable.

1. Press  to end your call. The call time, length of call, phone number, and name of the party (if available) appear in the display.
2. Press the **Save** (right) soft key (). The following options appear in the display:
 - **New Entry** — Lets you create a new Contacts entry.
 - **Find** — Lets you add the number you entered to an existing Contacts entry.
3. Follow the instructions in the upcoming sections depending on whether the number is a new entry or you wish to add it to an existing entry.

Add a New Entry

1. Use the navigation keys to highlight **New Entry** and press the  key. The **Select Type** screen appears in the display showing the following icons:



Home



Office



Mobile



Pager



Fax

2. Use the navigation keys to highlight the number type that matches your new entry, then press the  key.
3. Enter a name for the new entry and press the  key. The new entry is saved to your Contacts list.

Add to an Existing Entry

1. Use the navigation keys to highlight **Find**, then press the  key.
2. Use the navigation keys to select the search method that you wish to use (**By Name**, **By Group**, or **By Entry**).
3. Enter information to find the entry, or use the navigation keys to highlight the desired entry, then press the  key. The following number types appear in the display:



Home



Office



Mobile



Pager



Fax

4. Use the navigation keys to highlight the desired number type, then press the  key. The Contacts entry information appears in the display.
5. Press the  key again to add the number to the existing entry.

Deleting a Contacts Entry

1. Find the Contacts entry you want to delete. See “Finding a Contacts Entry” on page 75 for more information.
2. Use the navigation keys to highlight the desired entry.
3. Press the **Option** (left) soft key . The following options appear in the display:
 - **Edit**
 - **Erase**
 - **Add New**
4. Use the navigation keys to highlight **Erase**.
5. Press the  key. The phone prompts you to confirm the deletion.
6. Use the navigation keys to highlight **Yes** or **No**, then press the  key.

Note: To delete all Contacts entries, see “Erase Memory” on page 194 for more information.

Finding My Phone Number

My Phone# displays the ten-digit number assigned to your phone by your wireless carrier.

- In standby mode, press the **MENU** (left) soft key , then press  (for **Contacts**), and press  for **My Phone#**. The phone number assigned by your Wireless Carrier appears in the display.

Memory

The **Memory** menu option lets you view the amount of memory you have used to store Contacts entries, as well as the memory remaining to store more Contacts entries.

- In standby mode, press the **MENU** (left) soft key () , then press  (for **Contacts**) and  (for **Memory**). The amount of memory used and remaining for Contacts is displayed.

A solid blue rounded rectangle with the text "Section 6" written vertically in white.

Section 6

Section 7: @metro

Topics Covered

- Accessing @metro
-

With @metro, you can download full featured applications over the air including games, personalized ring tones, pictures, and more. You can send and receive instant messages and email, or browse the web to catch up on all the latest news.

This section outlines how to obtain games and other applications for your phone. For more information, contact your wireless provider.

Accessing @metro

Applications Shopping and Downloading

Download games, ring tones, e-mail, and more using **@metro**. For information on airtime charges, contact your Wireless Provider.

1. In standby mode, press the **Right** navigation key to launch **@metro**. The following @metro options appear in the display:



2. Use the navigation keys to highlight the @metro icon () , then press the **OK** key.

Note: The first time you access @metro, an “airtime warning” message appears in the display along with instructions on how to remove this message.

Your phone takes a moment to connect, then the @metro Catalog menu appears in the display.

3. Follow the instructions in your phone's display.

Note: Please check with your Wireless Provider for availability of applications.

Changing Your @metro Settings

Use the **Settings** menu in @metro to manage, move, order applications, and much more.

1. In standby mode, press the **Right** navigation key to launch @metro.
2. At the @metro menu, use the navigation keys to highlight the Settings icon (✓), then press the **OK** key. The following options appear in the display:
 - **Order Apps** — Download applications over the network.
 - **Move Apps** — Move previously downloaded applications between available folders.
 - **Manage Apps** — View used and available memory.
 - **Main Menu View** — Select whether you wish to view the main @metro menu in a list or icon format.
 - **View Log** — View the @metro log, which displays information about recent activity using @metro.
3. Use the navigation keys to highlight the desired option.
4. Press the **OK** key to enter the option's sub menu and view or change settings.

Using On-line Help

The Help sub menu within @metro is a short tutorial on several @metro features. View information about charges, cancelling subscriptions, buying apps, disabling apps, and more.

1. Within in the @metro menu, use the navigation keys to highlight the **Help** (?) icon.
2. Press the **OK** key. The Help subjects described in the following subsections appear in the display.
3. Use the navigation keys to highlight the desired Help subject.
4. Press the **OK** key to view the selected Help information.

Buying New Apps

To buy new and exciting apps, visit @metro. It provides you with a variety of apps you can choose from.

What do I pay?

When you buy an app, you will be charged for the purchase cost of the app and the network connections to download it. Charges will also apply when you use apps that require network connections, such as downloading information and sending text messages.

Demo Apps

A Demo app is free and is designed to demonstrate the app's main features. It usually expires after a certain period of time or a number of uses and often has limited functions. When you run a demo app, you will be presented with a purchase option so you won't have to look for the app in @metro.

Removing Apps

You may remove apps that are no longer needed. When you remove an app, you cannot use the application unless you purchase it again. To remove an app, do the following:

1. In the @metro screen, choose **Settings**, then choose **Manage Apps**.
2. Select the app you want to remove.

Disabled Apps

You can install new apps even if the memory of your phone is full by partially removing (disabling) apps you haven't used recently. When you need to use a disabled app, you can restore it at no additional purchase cost.

Restoring Apps

Disabled apps can be quickly restored at no additional purchase cost. To restore an app, run the application you want to restore from the Main Menu. You will be guided through the restoration process.

Expired Apps

Apps that were purchased based on the number of uses or for a specified period of time expire. You can purchase additional uses from @metro.

Section 8: Messaging

Topics Covered

- Types of Messages
 - Create and Send Text Messages
 - Receive Text Messages
 - Send Picture Messages in Camera Mode
 - Send Picture Messages in Standby Mode
 - Handwritten Picture Messages
 - Message Folders
 - Message Settings
 - Erase Messages
-

This section explains how to send or receive different types of messages. This section also describes the features and functionality associated with messaging.

Types of Messages

Your phone is able to send and receive Text and Picture messages to compatible phones and devices. Text messages can be up to 160 characters in length.

Note: Available memory is shared between all messages. You can store up to 50 incoming and 50 outgoing messages. However, the exact number is dependent upon message length.

Create and Send Text Messages

1. In standby mode, press the **Down** navigation key, then press  for **New Text Msg**. The **Send To:** screen appears in the display.
2. Enter the phone number of the recipient, then press the  key.
3. Enter the text content of your message using the keypad. See “Section 5: Entering Text” on page 63 for more information.

At any point while composing a message, press the **Option** (left) soft key (). The following text entry options appear in the display:

- **T9 Word** — Recognizes commonly used words for the numeric sequence of key presses and inserts the word into your message.
- **ABC** — Lets you enter characters while by pressing the keys labeled with the desired characters (such as  for “h”).
- **Symbol** — Use Symbol mode to enter symbols, such as &, %, and # into your message.
- **123** — Use 123 mode to enter numbers into your message.

- **Canned** — Insert a pre-composed message into the body of your current message.

Use the **Up** and **Down** navigation keys to highlight the desired option, then press the  key.

4. Once you're finished entering your message, press the  key. The following New Message options appear in the display:

- **Edit Send To** — Edit the recipient's Send To number.
- **Edit Text** — Edit the content of your message.
- **Send Options** — Choose the Priority, Validity, whether you wish to have a Delivery Acknowledgement, Insert a Signature and Call Back #, and whether you wish to Defer Delivery of the message to some particular time.
- **Save in Draft** — Save the message to your Draft folder.
- **Save Text** — Save the text in your message as a Canned Message. Canned Messages are pre-composed messages that you can insert into any message you choose.

5. To send your message, press the **Send** (left) soft key .

Send Options

You can set priority, validity, and other options before you send a message.

1. After you've composed a message and pressed the  key, you're returned to the New Message menu.
2. Use the navigation keys to highlight **Send Options**, then press the  key. The following send options appear in the display:
 - **Priority** — Normal/Urgent — Assign a priority to your message.

- **Validity** — None/30 Min/1–2 Hours/12 Hours/1–3 Days/5 Days — Select the period of time that you wish the message to be available to the recipient. After the set period of time, your message is recalled.
 - **Insert Sign.** — Off/On — Insert your pre-composed signature into the message.
 - **Delivery Ack** — Off/On — Request confirmation for when your message is received.
 - **Call Back #** — Yes/No/Edit — Insert a number into your message for the recipient to call you back.
 - **Def. Delivery** — Immediate/Set Time — Choose when you wish your message to be sent.
3. Use the navigation keys to highlight the desired send option and press the  key to confirm the selection or to enter the send option's sub menu.

Receive Text Messages

When you receive a message in standby mode, the ringer sounds, (unless turned off), and **New Message** appears in the display along with the closed envelope icon (). The date and time of the message also appear in the display:

- Press the **Ignore** (left) soft key () to return your phone to standby mode. The message is saved to your inbox where you can view it later.
- Press the **View** (right) soft key () to open the message, where you have the option to Reply, Forward, Delete, Save Text, or Save Msg.

Receive Messages While in a Call

When you receive a message while in a call, **New Message** appears in the display along with the closed envelope icon (✉). To view the message without disconnecting the call:

1. Press the **Ignore** (left) soft key (⏮) to ignore the message and save it to your inbox where you can view it later.
2. Press the **View** (right) soft key (⏭) to open the message, your call remains connected.

Send Picture Messages in Camera Mode

Picture messages can be sent to recipients with compatible phones or devices. You can even accompany a Picture message with a voice memo or preloaded sound.

Tip: You can send a Picture message to up to ten recipients. Separate each recipient's address or phone number with a comma in the **Send to** field of the Picture message composer.

1. In standby mode, press a Camera key:
 -  (on the right side of the phone)
 -  (on the keypad)

The Camera menu appears in the display with **Take a Picture** highlighted.

2. Press the  key. The camera activates.
3. Using the display as a viewfinder, press the  key when the image that you wish to send appears in the display.

Note: For more information about using the camera feature in your phone, see “Section 11: Camera” on page 129.

4. Press the **OK** key. The **New Pic Message** screen appears in the display with the **Send to** field highlighted and the picture that you just snapped showing in the Picture field.
5. Enter the phone number or e-mail address of the recipient of the Picture message.

Tip: Press the left soft key () **Option** to display a pop-up menu that allows you to search your Contacts for a recipient, insert symbols and letters, or save an address you enter to the Contacts list.

6. Press the **Down** navigation key to move the cursor to the **Subject** field, then enter a subject for the Picture message using the keypad.
7. Press the **Down** navigation key until the **Message** field is highlighted, then enter the message text using the keypad.
See “Section 5: Entering Text” on page 63 for more information.
8. If you wish to insert a sound into your Picture message, follow the instructions in steps 9 through 11. Otherwise, proceed to step 12.
9. Press the **Option** (left) soft key () . The following options appear in the display:
 - **Sounds**
 - **Erase**

10. Use the **Up/Down** navigation keys to highlight **Sounds**, then press the **OK** key. The following options appear in the display:

- **Record New** — Record a new memo to insert into the message.
- **Melody1 – Melody10** — Select from a list of audio files preloaded on your phone.

Note: You can record and insert a voice memo of up to 60 seconds in length, if you record first before attaching a picture. If a picture is attached before recording, the size of the voice memo is limited to the amount of remaining memory.

11. Use the **Up/Down** navigation keys to highlight an option, then press the **OK** key to enter the option's sub menu and insert a sound into your message. Press **CLR** to exit the pop-up menu without inserting a sound.
12. To preview the Picture message before sending, press the **Next** (right) soft key (**Next**), then select **Preview** from the list of options that appears in the display.
- Press the **SEND** key (**SEND**) to send the message. **Pic. Msg Sending** appears in the display and a progress bar indicates the send status.
13. To send the Picture message now, press the **SEND** key (**SEND**). **Pic. Msg Sending** appears in the display and a progress bar indicates the send status.

Send Picture Messages in Standby Mode

Send Picture messages to recipients with a compatible phone or other device, and accompany the Picture message with a voice memo, ring tone, or downloaded melody.

Note: You can send a Picture message to up to ten recipients. Separate each recipient's address or phone number with a comma in the **Send to** field of the Picture message composer.

1. In standby mode, press the **Down** navigation key, then press  for **New Pic. Msg**. The **New Pic. Message** screen appears in the display with the **Send to** field highlighted.
2. Enter the phone number or e-mail address of the recipient using the keypad.

Tip: Press the **Option** (left) soft key () to display a pop-up menu that allows you to search your Contacts for a recipient, insert symbols and letters, or save an address you enter to the Contacts list.

3. Press the **Down** navigation key to move the cursor to the **Subject** field. Enter a subject for the Picture message using the keypad.
4. Press the **Down** navigation key until the **No Photo** image is highlighted. The **No Photo** image resembles a film slide.
5. Press the **Option** (left) soft key (). The following options appear in the display:
 - **Photo Gallery** — Select from a list of pictures that you have taken to insert into your Picture message.

- **Image Gallery** — Select from a list of downloaded pictures into your Picture message.
 - **Erase** — Delete any images that you have attached to your Picture message.
6. Use the **Up/Down** navigation keys to highlight an option, then press the  key to enter the option's sub menu and insert a photo or image into your picture message.
 7. Once you've inserted the photo or image into your message, use the navigation keys to highlight the **Message** field.
 8. Enter the message text using the keypad.
See "Section 5: Entering Text" on page 63 for more information.
 9. If you wish to insert a sound into your Picture message, follow the instructions in steps 10 through 12. Otherwise, proceed to step 13.
 10. Press the **Option** (left) soft key (). The following options appear in the display:
 - **Sounds**
 - **Erase**
 11. Use the **Up/Down** navigation keys to highlight **Sounds**, then press the  key. The following options appear in the display:
 - **Record New** — Record a new memo to insert into the message.
 - **Melody1 – Melody10** — Select from a list of downloaded audio files.

Note: You can record and insert a voice memo of up to 60 seconds in length, if you record first before attaching a picture. If a picture is attached before recording, the size of the voice memo is limited to the amount of remaining memory.

12. Use the **Up/Down** navigation keys to highlight an option, then press the **OK** key to enter the option's sub menu and insert a sound into your message.
13. You can now send or preview the Picture message.
14. **To preview the Picture message before sending**, press the **Next** (right) soft key () , then select **Preview** from the selection list that appears in the display.
 - Press the **SEND** key () to send the message. **Pic. Msg Sending** appears in the display and a progress bar indicates the send status.
15. **To send the Picture message now**, press the **SEND** key () . **Pic. Msg Sending** appears in the display and a progress bar indicates the send status.

Receive Picture Messages

1. When you receive a new Picture message, the phone number (or email address) from which the message was sent, and **Pic. Msg Retrieving...** appears in the display. A progress bar indicates retrieval status.
2. After the Picture message has downloaded, an alert sounds. **Ignore** and **View** also appear in the display.
3. Press the **Ignore** (left) soft key () to view the Picture message later. Press the **View** (right) soft key () to view the Picture message now.

View a Picture Message Later

1. Once a Picture message has been downloaded to your phone, the **Ignore** (left) soft key () and **View** (right) soft key () appear in the display.
2. Press the **Ignore** (left) soft key (). The Picture message is sent to your Inbox.
3. In standby mode, press the **MENU** (left) soft key (), then press  (for **Messages**),  (for **Inbox**) to open your Inbox and view the picture message.

For more information on viewing your Inbox messages, see “Inbox” on page 108.

Handwritten Picture Messages

New Handwr. Msg lets you quickly send handwritten messages as pictures, rather than using the keypad to enter your message.

1. In standby mode, press the **Down** navigation key, then press  for **New Handwr. Msg**. The camera screen appears in the display in Sketch mode (that is, high contrast).
2. Position your handset so that the complete text of the message appears within the image corners. See “Simple Snap Shot” on page 130 for more information.

Tip: For best results, write your message on white or light-colored, unruled paper (that is, no lines).

3. Use the **Left** and **Right** navigation keys to increase magnification of (“zoom in on”) the message, as needed.

4. Press the  key. “Digitizing...” appears in the display, followed by a high-contrast picture of your message.
5. If you are satisfied with the picture of your message, press the  key. The Picture Message screen appears in the display with your picture automatically included.
6. Complete and send your new Pic. message. See “Send Picture Messages in Standby Mode” on page 104 for more information.

Message Folders

Your phone stores messages in any one of five folders. The subsections that follow describe each message folder in detail.

Inbox

Received messages of all types (except Voice Mail) are stored in the **Inbox** folder.

1. In standby mode, press the **Down** navigation key, then press  for **Inbox**. A list of incoming messages appears in the display.

Tip: Press the **MSG** (right) soft key () while in a call to open the Message menu.

2. Use the navigation keys to highlight the message that you wish to view.
3. Press the  key to view contents of the highlighted message.

4. While viewing your message press the **Option** (left) soft key (). The following options appear in the display:
 - **Reply** — Compose and send a message to the originator of the received message.
 - **Lock/Unlock** — Block a message from being erased or free a message to be erased.
 - **Erase** — Delete the message and its contents.
 - **Forward** — Send a copy of the message to another recipient.
 - **Save Contact** — Save the sender's number to your Contacts.
5. Use the navigation keys to highlight an option. Press the  key to perform the function for the highlighted option.

Outbox

Your phone stores messages in the Outbox, regardless of whether the message was successfully transmitted. Verify if and when a message or e-mail was successfully transmitted by enabling the Delivery Ack feature. See “Send Options” on page 99 for more information on delivery acknowledgements.

Review Messages in the Outbox

1. In standby mode, press In standby mode, press the **Down** navigation key, then press  for **Outbox**. Your list of sent messages appear in the display.
2. Use the navigation keys to highlight the message that you wish to review, then press the  key.

3. Press the **Option** (left) soft key () . The following options appear in the display:
 - **Resend** — Re-send the message. The **New Message** menu appears in the display.
 - **Lock/Unlock** — Block a message from being erased or free a message to be erased.
 - **Erase** — Delete the message.
 - **Message Info** — Display message delivery status, addressee, size, and so on (for picture messages only).
4. Use the navigation keys to highlight the desired option.
5. Press the  key to perform the function for the highlighted option.

Messages and Lock Mode

Your phone can still receive messages while in Lock Mode. The time and date of the message appear in the display, but you cannot access the message until you enter the lock code.

Draft Box

Messages in the Draft Box are those that have been composed but never sent. You can return to the Draft Box at any time to view, edit, or send a draft message.

Create a Draft Message

1. In standby mode, press the **Down** navigation key, then press  for **New Text Msg**, or  for **New Pic Msg**.
2. Enter the phone number of the recipient, then press the  key.
3. Compose your message using the keypad, then press press the  key.

4. Use the navigation keys to highlight **Save in Draft**, then press the **OK** key. A confirmation message appears in the display and your message is saved to the Draft Box.

View and Edit Draft Text Messages

1. In standby mode, press the **Down** navigation key, then press **6mno** for **Draft Box**. A list of any draft messages that you've composed appears in the display.
2. Use the navigation keys to highlight the text message that you wish to view, then press the **Edit** key (**OK**). The message text edit screen appears in the display.
3. After you complete your changes to the selected draft message, press the **OK** key. The following options appear in the display:
 - **Edit Send To** — Edit the phone number of the recipient.
 - **Edit Text** — Edit, format, or add media and pre-composed text to the message.
 - **Send Options** — Select the priority, validity, delivery acknowledgement, insert signature, callback #, deferred delivery options.
 - **Save in Draft** — Continue to save the message to the Draft Box.
 - **Save Text** — Save only the text in the message, if media or other content is contained within the message.
4. Use the navigation keys to highlight an option. Press the **OK** key to perform the function for the highlighted option.

View and Edit Draft Pic. Messages

1. In standby mode, press the **Down** navigation key, then press **6mno** for **Draft Box**. A list of any draft messages that you've composed appears in the display.

2. Use the navigation keys to highlight the picture message that you wish to view, then press the **Edit** () key. The message edit screen appears in the display.
3. Make any needed changes and press the **Next** (right) soft key (). The following options appear in the display:
 - **Preview** — Shows the message contents.
 - **Send Options** — Select the priority, validity, delivery acknowledgement, deferred delivery options.
 - **Save in Draft** — Saves the changed message to the Draft Box.
4. Use the navigation keys to highlight an option. Press the  key to perform the function for the highlighted option.

Edit Text Options

1. While editing the text of a draft message, press the **Option** (left) soft key (). The following options appear in the display:
 - **T9 Word** — Recognizes commonly used words for the numeric sequence of key presses and inserts the word into your message.
 - **ABC** — Text entry mode. Lets you enter characters while by pressing the keys labeled with the desired characters (such as  for "h"). Use the **Left** and **Right** navigation keys to change the text entry mode to one of the following:
 - **Symbol** — Use Symbol mode to enter symbols, such as &, %, and # into your message.
 - **123** — Use 123 mode to enter numbers into your message.
 - **Canned** — Insert a pre-composed message into the body of your current message.

2. Use the navigation keys to highlight an option. Press the  key to perform the function for the highlighted option.

Voice Mail

Messages in your voice mailbox are logged in the Voice Mail folder of the **Message** menu. Open the Voice Mail folder to view the **Callback #** (if available), **Urgency**, and other details of the voice mail message.

1. In standby mode, press the **Down** navigation key, then press  for **Voice Mail**.
2. Use the navigation keys to highlight the message that you wish to view.
3. Press the  key to view contents of the highlighted message.
4. Press the send key () **SEND:Listen** to call your voice mailbox and listen to the message.

Note: You can also press and hold  to dial your voice mailbox.

Message Settings

Use the **Msg Setting** menu to define settings for picture, text, and general messages.

1. In standby mode, press the **Down** navigation key, then press  for **Msg Setting**. The Msg Setting menu appears in the display.
2. Use the navigation keys to highlight **Text**, **Pic. Msg**, or **General**.

3. Use the instructions in the following subsections to change settings for **Text**, **Pic. Msg.**, and **General** messages.

Text Message Settings

1. With **Text** highlighted in the **Msg Setting** sub menu, press the **OK** key. The following text message options appear in the display:
 - **Save In Outbox** — Options to save messages automatically in the Outbox (**Auto Save**), **Prompt** before saving, or do **Not Save** messages to the Outbox.
 - **Insert Sign.** — Insert a signature into each outgoing message.
 - **Delivery Ack** — Yes/No — Choose to be notified of whether or not your messages have been delivered.
 - **Direct View** — Off/On — With Direct View **On**, the full content of text messages appear in the display as they are received.
 - **Signature** — Create a signature, which can be attached at the bottom of outgoing messages (see **Insert Sign.** above).
 - **Callback#** — Edit the callback# for all of your messages.
 - **Block Address** — Block or Unblock the reception of text messages from a specific number, or view the list of blocked addresses.
2. Use the navigation keys to highlight the desired setting. Press the **OK** key to enter the highlighted option's sub menu.

Picture Message Settings

1. With **Pic. Msg** highlighted in the **Msg Setting** sub menu, press the **OK** key. The following options appear in the display:

- **Save in Outbox** — Options to save messages automatically in the Outbox, prompt before saving, or do not save messages in the Outbox.
 - **Delivery Ack** — Choose to be notified of whether or not your messages have been delivered.
 - **Retrieval Mode** — Choose **Automatic** to download and display Picture messages as they are received. Choose **Prompt** to be notified beforehand.
2. Use the navigation keys to highlight the desired setting. Press the **OK** key to enter the highlighted option's sub menu.

General Message Settings

1. With **General** highlighted in the **Msg Setting** sub menu, press the **OK** key. The following options appear in the display:
 - **Entry Mode** — Choose the default method for entering text into messages. Options are T9 Word and Alphabet.
 - **Canned Msg.** — Edit your pre-composed messages, which can then be inserted into new messages.
 - **Msg. Alert** — Choose the volume level (or vibrate) when alerted of a message. Choose the alert message type, and frequency of alerts.
 - **Auto Delete** — Choose to receive (or not receive) a warning message when you delete a message.
 - **Voice Mail #** — Edit or view your Voice Mail number.
2. Use the navigation keys to highlight the desired setting. Press the **OK** key to enter the highlighted option's sub menu.

Editing and Entering Canned Message Text

1. In standby mode, press the **Down** navigation key, then press  (for **Msg Setting**),  (for **General**), and  for **Canned Msg.** The **Canned Msg.** menu appears in the display.
2. Use the navigation keys and the **PgDn** (left) soft key () to highlight the Canned Msg. text you want to change or enter.
3. Enter the text content of your Canned Msg. using the keypad. See “Section 5: Entering Text” on page 63 for more information.

At any point while composing a Canned Msg., press the **Option** (left) soft key (). The following options appear in the display:

- **T9 Word** — Recognizes commonly used words for the numeric sequence of key presses and inserts the word into your message.
 - **ABC** — Text entry mode. Lets you enter characters while by pressing the keys labeled with the desired characters (such as  for “h”).
 - **Symbol** — Use Symbol mode to enter symbols, such as &, %, and # into your message.
 - **123** — Use 123 mode to enter numbers into your message.
4. Once you’re finished entering your Canned Msg., press the  key. The **Canned Msg.** menu appears in the display with your new Canned Msg. highlighted.

Tip: You can also create new Canned Msg. text by using the **Save Text** option in the **New Message** menu. See “Create and Send Text Messages” on page 98 for more information.

Erase Messages

You can erase all of the messages in each your folders from one convenient location.

Note: This function erases all messages in the selected folder. To delete a single message, open the folder from the **Message** menu, then delete the message from the **Option** menu while viewing the message content.

1. In standby mode, press the **Down** navigation key, then press  for **Erase Msg**. The following options appear in the display:
 - **Voice** — Deletes all Voice Mailbox log entries.
 - **In Box** — Deletes all messages stored in the Inbox.
 - **Out Box** — Deletes all messages stored in the Outbox.
 - **Draft** — Deletes all messages stored in the Draft folder.
 - **All Messages** — Deletes all messages stored in all of the message folders.
2. Use the navigation keys to highlight the folder containing the messages that you wish to delete.
3. Press the  key. You're prompted to confirm the erasure of all messages in the selected folder or in all folders.
4. Use the navigation keys to highlight **Yes** or **No**, then press the  key.

Section 9: Mobile Web

Topics Covered

- Mobile Web
 - Launching Mobile Web
 - Using Mobile Web
 - Using Links
 - How Mobile Web Keys Work
-

This section outlines how to launch Mobile Web, how to navigate to other pages on the web, and how the keys on the keypad are used with the web application. Additionally, links to other sites are briefly discussed.

Mobile Web

With Mobile Web, you can conveniently surf the web and download ringtones and wallpapers using your phone. Each time you launch Mobile Web, your phone connects to the Internet and the service indicator icon (📶) appears in the display.

Stored Web Content

Mobile Web ends an Internet connection after a certain period of inactivity, however some information from your session remains stored in the phone (if you leave your phone turned on). You can access this information without reconnecting to the Internet. However, if you are viewing stored information, and you select a link to a site that was not accessed in your last session, you automatically re-connect to the Internet.

Launching Mobile Web

1. In standby mode, do one of the following to launch **Mobile Web**:
 - Press the **Left** navigation key.
 - Press the **Menu** (left) soft key (📄), then press 4 **shft** (for **Mobile Web**) and 1 **shft** for **Get In Web**.
2. A list of categories (each representing one or more web sites) appears in the display.
3. Use the navigation keys to browse the categories.
4. Once the desired category is highlighted, press the ✓ (left) soft key (📄) to enter the category list.

Exit Mobile Web

- Press  to exit **Mobile Web**.

Using Mobile Web

When you use Mobile Web, some of the keys operate differently than during a normal phone call. Mobile Web presents on-screen items in any of the following ways:

- Text or numeric input.
- Links (embedded in content).
- Numbered options (some may not be numbered).
- Simple text.

You can act upon options or links by using the soft keys.

Mobile Web soft keys

the bottom of the Mobile Web display is a bar that contains browser commands. The left and right () soft keys on the keypad are used to execute the command that appears above them in the display. These are called “soft keys” because their function changes depending on the application.

Using Links

Links have several purposes, such as jumping to a different page, to a different site, or even initiating a phone call. Links are shown inside of brackets ([]). You can normally use the left soft key () to select a link when it is highlighted.

How Mobile Web Keys Work

The following table lists Mobile Web keys and their functions.



navigation keys — Use to browse lists and options



CLR Key — A browse, back-up key. Press once to back up one page. Press and hold to go back to home page.

Press to clear the last number, letter, or symbol entered. Press and hold to completely clear the display.



Asterisk/Shift Key — Press before entering text to enable uppercase characters.



Next Key — Press to enter a zero (0), or to display another word in the dictionary when in T9 Word entry mode.



Pound/Space Key — Press to insert a space when entering text.



Number 1 thru 9 — Use the number keys to select items in a menu if they are numbered.



End Key — Press to exit the Mobile Web and return the phone to standby mode.



Left Soft Key — Press to activate the command that appears above it in the display.



Right Soft Key — Press to activate the command that appears above it in the display.

Section 10: Gallery

Topics Covered

- Accessing Your Gallery
 - Using Image Gallery
 - Using Melody Gallery
 - Using Animelody Gallery
-

With @metro, you can download full featured applications over the air including games, personalized ring tones, pictures, and more. You can send and receive instant messages and email, or browse the web to catch up on all the latest news.

This section outlines how to obtain games and other applications for your phone. For more information, contact your wireless provider.

Accessing Your Gallery

1. In standby mode, press the left soft key () **MENU**, then press () for **Gallery**. The following **Gallery** sub-menus appear in the display:
 - **Image Gallery** — Lets you choose the multi-media or pictures that appear in your phone's display.
 - **Melody Gallery** — Lets you assign melody tones for calls, alarms, and other alerts.
 - **Animelody Gallery** — Lets you assign animated melody tones for calls, alarms and calendar.
2. Use the navigation keys to highlight a sub-menu.
3. Press () to enter the highlighted sub-menu. The following sections describe the above listed sub-menus in greater detail.

Using Image Gallery

Image Gallery lets you choose the multi-media files or the pictures that appear in your phone's display when you turn it on or off, while in standby mode (wallpaper), and as image IDs for your contacts.

1. In standby mode, press the left soft key () **MENU**, then press () (for **Gallery**) and () for **Image Gallery**.
2. Use the navigation keys to select **Preloaded** or **Downloaded** (if you have downloaded images), then press the () key.
3. Use the navigation keys to highlight an image or animation.

4. Press the **Option** (left) soft key () . The following options appear in the display:
 - **Assign** — Lets you assign selected images, melodies, and animelodies as **Wallpaper**, **Opening**, **Closing**, and **Contacts**.
 - **Image Info** — Displays information about the highlighted image, such as the title (name), and the data size.
5. Use the navigation keys to highlight **Assign**, then press the  key.

The following options appear in the display:

- **Wallpaper** — Choose the graphic or animation that appears in your display when the phone is in standby mode.
 - **Opening** — Choose the animation that appears in your display when you turn on your phone.
 - **Closing** — Choose the animation that appears in you display when you turn off your phone.
 - **Contacts** — Choose the graphic or animation that appears in the display when selected contacts calls.
6. Use the navigation keys to highlight an option, then press the  key.

When using a downloaded image, the following options appear in the display:

- **Assign** — Use to assign the selected image.
- **Rename** — Lets you rename the image.
- **Lock** — Lets you protect the image from being deleted.
- **Erase** — Erases a selected file.
- **Erase All** — Erases all files.
- **File Info** — Displays information about the image, such as the file name, creation time and date, and the data size.

7. Press the **Back** (right) soft key () to return to the previous menu, or press the  key to return to standby mode.

Using Melody Gallery

Melody Gallery lets you assign ringer types and melody tones for calls, alarms, and other alerts.

1. In standby mode, press the left soft key () **MENU**, then press  (for **Gallery**) and  for **Melody Gallery**.
2. Use the navigation keys to select **Preloaded** or **Downloaded** (if you have downloaded melodies), then press the  key.
3. A list of bells and melodies appears in the display.
4. Press the **Option** (left) soft key ()

When using a preloaded melody, a pop-up menu containing the following option appears in the display:

- **Assign** — Lets you assign selected melodies to **Calls**, an **Alarm**, **Data** calls, and **Calendar** events.

When using a downloaded melody, the following options appear in the display:

- **Assign** — Use to assign the selected melody to **Calls**, an **Alarm**, **Data** calls, and **Calendar** events.
- **Rename** — Lets you rename the melody.
- **Lock** — Lets you protect files from being deleted.
- **Erase** — Erases a selected file.
- **Erase All** — Erases all files.
- **File Info** — Displays information about the melody, such as the file name, creation time and date, and the data size.

5. Use the navigation keys to highlight **Assign**, then press the  key. The following options appear in the display:
 - **Calls** — Lets you assign a melody tone to incoming voice calls.
 - **Alarm** — Lets you assign melody tones for alarms.
 - **Data** — Lets you assign melody tones for incoming data calls.
 - **Calendar** — Lets you assign a melody tone as a calendar reminder.

If **Alarm** is selected additional options appear in the display. Proceed to Step 6.

 - **Alarm 1**
 - **Alarm 2**
 - **Alarm 3**
6. Use the navigation keys to highlight an option and press the  key.
7. Press the **Back** (right) soft key () to return to the previous menu, or press the  key to return to standby mode.

Using Animelody Gallery

1. In standby mode, press the left soft key () **MENU**, then press  (for **Gallery**) and  for **Animelody Gallery**. A list of available animelodies appears in the display.

2. Use the navigation keys to highlight an animelody, then press the **Option** (left) soft key (). The following options appear in the display:
 - **Assign** — Use to assign a selected animelody to incoming **Calls**, an **Alarm**, **Data** calls, and **Calendar** events.
 - **Rename** — Lets you rename the animelody.
 - **Lock** — Lets you protect files from being deleted.
 - **Erase** — Lets you erase a selected file.
 - **File Info** — Displays information about the animelody, such as the file name, creation time and date, and the data size.
3. Use the navigation keys to highlight **Assign**, then press the  key. The following options appear in the display:
 - **Calls** — Lets you assign an animelody to incoming calls.
 - **Alarm** — Lets you assign an animelody to an alarm.
4. If you select **Alarm**, the following options appear in the display. Proceed to Step 5.
 - **Alarm 1**
 - **Alarm 2**
 - **Alarm 3**
5. Use the navigation keys to highlight an Alarm option, then press the  key.
6. Press the **Back** (right) soft key () to return to the previous menu, or press the  key to return to standby mode.

Section 11: Camera

Topics Covered

- Taking Pictures
 - Saving Pictures
 - The Picture Gallery
 - Camera Settings
 - Point, Click, and Send a Picture
-

Use your SCH-a850 phone to take full color digital pictures, display them on your phone's vivid color display, and instantly share them with family and friends. It's fun, and as easy to use as a traditional point-and-click camera. Depending on the resolution you choose, you can save dozens of pictures in your phone's memory.

This section explains how you can do the following:

- Take pictures with your phone's built-in digital camera.
- Send and receive pictures taken with your phone's camera.
- Set the several options associated with the camera that help you take crisp, clear pictures.

Taking Pictures

Taking pictures with the built-in camera is as simple as choosing a subject, pointing the lens [located on the outside of the folder (above the external display)], and pressing a button.

Simple Snap Shot

To take a single picture using the current camera settings, do the following:

1. In standby mode, press and hold a camera key:

-  (on the keypad)
-  (on the right side of the phone)

The message “**Camera Starting...**” followed by a camera view finder screen appears in the display. (See “Camera Screen” on page 131 for more information.)

Note: You can also activate the camera by pressing the **MENU** (left) soft key () , then press  (for **Camera**) and  for **Take a Picture**.

2. Point the camera at your subject.
 3. Using the display as a viewfinder, press the  key when the image that you wish to capture appears in the display.
 4. Press the **Save** (right) soft key () to save the picture to memory.
 5. Press the **Cancel** (left) soft key () to erase the photo.
-

Tip: You can change a number of the camera's settings to suit particular uses for your pictures. See “Camera Settings” on page 142 for more information.

Camera Screen

When you activate your phone's camera, the second line of the display is reserved for the current camera resolution setting and the picture counter. The center of the display shows a viewfinder image of the subject at which the camera is pointed. The soft key labels on the bottom line of the display change to the following:



- **Option** — Pressing the left soft key () opens a pop-up menu of camera settings.
- **OK** — Pressing the  key takes a picture of the image currently appearing on the display.
- **Gallery** — Pressing the right soft key () opens the **Picture Gallery** so you can view or manage your stored pictures.

Camera Screen Icons

-  **Camera Resolution** — Indicates that you can use the **Up** and **Down** navigation keys to temporarily adjust the camera's resolution setting. (You can also change the default camera resolution setting. See "Camera Settings" on page 142 for more information.)
-  **Self Timer in use** — Delays the camera shutter from 5 to 10 seconds after you press a **Camera** key ( ) or the  key.
-  **Multi Shot in use** — Takes multiple pictures after you press a **Camera** key ( ) or the  key. The number of pictures taken depends upon the resolution setting.



Camera — Indicates that pressing the **OK** key takes a picture of the image currently appearing on the display.

Camera Options

The Camera Options let you temporarily override your default camera settings. Any settings you change using the Camera Options only apply to the current camera session or until you make another change using the Camera Options. When you exit camera mode, all camera settings return to default values.

Delay Pictures with the Self Timer

Self Timer lets you delay a picture long enough so you or the person taking the picture can join others in the picture.

1. In camera mode, press the **Option** (left) soft key ()
The following options appear in the display:
 - **Self Timer**
 - **Multi Shot**
 - **Brightness**
 - **Fun Frame**
 - **Color Tones**
 - **White Balance**

Note: **Color Tone** and **White Balance** are not initially visible in the pop-up menu. Use the navigation keys to scroll down and view these menu items.

2. Use the navigation keys to highlight **Self Timer**, then press the **OK** key. The following options appear in the display:
 - **Off**

- **5 sec**
 - **10 sec**
3. Use the navigation keys to highlight the desired delay, then press the **OK** key. The camera screen appears in the display.

The next time you press a **Camera** key ( ) or the **OK** key, a countdown timer appears in the display that indicates the time remaining before the camera takes the picture.

Multi Shot

Multi Shot lets you take multiple pictures in succession at the touch of a button. The number of pictures you can take depends on the resolution setting, as indicated in the following list:

- **High resolution** — 3 pictures
- **Medium resolution** — 5 pictures
- **Low resolution** — 7 pictures

See “Change Picture Brightness” on page 142 for more information.

1. In camera mode, press the **Option** (left) soft key (). The following options appear in the display:

- **Self Timer**
- **Multi Shot**
- **Brightness**
- **Fun Frame**
- **Color Tones**
- **White Balance**

Note: **Color Tone** and **White Balance** are not initially visible in the pop-up menu. Use the navigation keys to scroll down and view these menu items.

2. Use the navigation keys to highlight **Multi Shot**, then press the  key. **Off** and **On** appear in the display.
3. Use the navigation keys to highlight **On**, then press the  key. The camera screen appears in the display.

Note: When Multi Shot is set to **On**, the multi shot icon () appears in the display in camera mode.

The next time you press a **Camera** key ( ) or the  key, the camera takes several pictures in rapid succession.

Brightness

Change the brightness of your pictures using the Brightness setting. Options are **+5 – -5**.

1. In standby mode, press the **MENU** (left) soft key () , then press  (for **Camera**),  (for **Settings**), and  for **Brightness**. The following options appear in the display:

- **+5**
- **+4**
- **+3**
- **+2**
- **+1**
- **0**
- **-1**
- **-2**
- **-3**

- -4
 - -5
2. Use the navigation keys to highlight the desired brightness and press the  key. You're returned to the **Settings** menu.

Note: -1 – -5 are not initially visible in the display. Use the navigation keys to scroll down and view these menu items.

Fun Frame

Fun Frame lets you temporarily apply one of the preloaded picture frames in your phone to characterize or enhance one or more pictures.

Note: The **Normal** frame is a blank frame.

1. In camera mode, press the **Option** (left) soft key (). The following options appear in the display:
 - **Self Timer**
 - **Multi Shot**
 - **Brightness**
 - **Fun Frame**
 - **Color Tones**
 - **White Balance**

Note: **Color Tone** and **White Balance** are not initially visible in the pop-up menu. Use the navigation keys to scroll down and view these menu items.

2. Use the navigation keys to highlight **Fun Frame**, then press the  key. The name of the current frame appears in the second line of the display.

3. Use the **Left** and **Right** navigation keys to show the various Fun Frames.
4. When you decide on the frame you wish to use, press the **Select** (left) soft key () or the **OK** key. The camera screen appears in the display with your selected Fun Frame in place.

The next time you press a **Camera** key ( ) or the **OK** key, the camera include the selected Fun Frame in your picture.

Color Tones

Color Tones lets you temporarily apply one of the following color-based special affects to one or more pictures:

- **Normal** — No special affect.
- **Sepia** — Replaces all colors with shades of sepia.
- **Monochrome** — Replaces all colors with shades of grey.
- **Negative** — Reverses light and dark shades of grey.
- **Emboss** — Creates a three-dimensional affect in the Monochrome picture.
- **Sketch** — Reduces the picture to outlines.

Note: The **Normal** Color Tone leaves the picture unchanged.

1. In camera mode, press the **Option** (left) soft key (). The following options appear in the display:
 - **Self Timer**
 - **Multi Shot**
 - **Brightness**
 - **Fun Frame**

- **Color Tones**
- **White Balance**

Note: **Color Tone** and **White Balance** are not initially visible in the pop-up menu. Use the navigation keys to scroll down and view these menu items.

2. Use the navigation keys to highlight **Color Tone**, then press the  key. The name of the current Color Tone appears in the second line of the display.
3. Use the **Left** and **Right** navigation keys to show the various Color Tones and the effects they have on a picture.
4. When you decide on the Color Tone you wish to use, press the **Select** (left) soft key () or the  key. The camera screen appears in the display with your selected Color Tone applied.

The next time you press a **Camera** key ( ) or the  key, the camera applies the selected Color Tone to your picture.

White Balance

White Balance allows you to adjust picture quality according to available light.

1. In camera mode, press the **Option** (left) soft key (). The following options appear in the display:
 - **Self Timer**
 - **Multi Shot**
 - **Brightness**
 - **Fun Frame**
 - **Color Tones**
 - **White Balance**

Note: **Color Tone** and **White Balance** are not initially visible in the pop-up menu. Use the navigation keys to scroll down and view these menu items.

2. Use the navigation keys to highlight **White Balance**, then press the  key. The following White Balance options appear in the display:
 - **Auto** — The camera automatically adjusts picture quality to available light.
 - **Sunny** — Use this setting when taking pictures in full sun.
 - **Cloudy** — Use this setting when taking pictures in cloudy conditions.
 - **Tungsten** — Use this setting when taking pictures under incandescent lights.
 - **Fluorescent** — Use this setting when taking pictures under fluorescent lights.
3. Use the navigation keys to highlight one of the white balances, then the Select (left) soft key () , the camera applies the selected White Balance to your next picture.

Resolution

Resolution lets you change the size (in pixels) of your pictures. The available resolutions and the associated pixel sizes are indicated in the following list:

- **High** (VGA 640 X 480 pixels)
- **Medium** (QVGA 320 X 240 pixels)
- **Low** (QQVGA 128 X 112 pixels)

Note: With Fun Frames enabled, the camera only takes pictures in **Low** Resolution mode (regardless of resolution setting).

1. In camera mode, use the **Up** and **Down** navigation keys to display the desired resolution (**High**, **Med**, or **Low**), the camera adjusts to the selected resolution.
2. Press the **OK** key or a **Camera** key ( ) to take the picture.

Note: The resolution setting affects zoom capabilities. When resolution is set to **High**, only X1 zoom is available. When resolution is set to **Med**, X1 and X2 are available. When resolution is set to **Low**, X1, X2, and X3 zoom settings are available.

Zoom in on a Subject

Your camera has digital zoom capabilities of up to x3 in Low resolution mode (x2 in Medium). Pictures may appear somewhat grainy as you zoom in; this is a normal result of digital enhancement.

1. In camera mode, press the **Left** and **Right** navigation keys to zoom in and out on your subject.
2. Press the **OK** key or a **Camera** key ( ) to take the picture.

Note: The Zoom setting is affected by the Resolution setting (camera mode). When Resolution is set to **High**, only **X1** zoom is available. When Resolution is set to **Medium**, **X1** and **X2** are available. When Resolution is set to **Low**, **X1**, **X2**, and **X3** zoom settings are available.

Saving Pictures

After you've taken a picture, you can do any of the following:

- **Save the picture** by pressing the **Save** (right) soft key ()

The picture is stored in the **Picture Gallery**, a part of the phone's memory devoted to storing, browsing, and viewing saved pictures.

- **Send the picture** to someone else by pressing the **OK** key (.

For a detailed procedure, see "Send Picture Messages in Camera Mode" on page 101.

- **Discard the picture** by pressing the **Erase** (left) soft key (.

The Picture Gallery

Saved pictures are stored in the Picture Gallery. You can browse the picture gallery one picture at a time (expanded mode), or view several pictures at once in thumbnail format.

1. In standby mode, briefly press a **Camera** key (). The following options appear in the display:
 - **Take a Picture** — Activates your phone's camera and lets you take individual photos and multiple photos (multi shots).
 - **Picture Gallery** — Lets you view and manage your saved photos.
 - **Settings** — Lets you enable or disable the flash and adjust the camera's picture resolution, picture quality, and more.
2. Use the navigation keys to highlight **Picture Gallery**, then press the **OK** key (). Any pictures that you've saved appear in the display.

3. Use the navigation keys to browse pictures in the gallery.
4. Press the **Option** (left) soft key () while viewing pictures in the Picture Gallery. The following options appear in the display:
 - **Pic Msg** — Send the currently displayed or highlighted picture as a Picture message.
 - **W-Postcard** — Take a picture of handwritten text and digitize the writing and add it to an image. Once placed in the image, you can modify the text colors, placement, and various other features.
 - **Assign** — Assign the currently displayed or highlighted picture to Wallpaper, as an opening and closing (power on and power off) graphic, or as a photo ID for someone in your Contacts list.
 - **Rename** — Rename the currently displayed or highlighted picture.
 - **Lock/Unlock** — Lock the currently displayed or highlighted picture so that it cannot be deleted, or unlock the picture so that it can be deleted.
 - **Erase** — Erase the currently displayed or highlighted picture, provided it is unlocked.
 - **Erase All** — Erase all of the unlocked pictures in the Picture Gallery. Locked pictures must be unlocked before you can erase them.
 - **Picture Info** — View the Title, time and date created, size, and quality of the currently highlighted or displayed picture.
5. Use the navigation keys to highlight the desired option. Press the  key to perform the function for the option or enter its sub menu.

Switch From Expanded to Thumbnail Mode

1. While viewing pictures in the picture gallery, press the **Thumb.** (right) soft key () to view several smaller pictures at a time.
2. Once you've found a picture that you wish to view full size, press the **Expand** (right) soft key ()

Camera Settings

The Camera Settings options let you select the default flash, resolution, and picture quality settings the camera will apply to your pictures.

Note: When settings are defined in the **Camera** menu, the settings are permanently saved. However, when settings are defined while the phone is in camera mode (preparing to take a picture), they are only active for the current camera session.

Change Picture Brightness

Change the brightness of your pictures using the Brightness setting. Options are +5 – -5.

Tip: Change a photo's brightness for the current camera session (only) by pressing the **Option** soft key while in camera mode. See "Brightness" on page 134 for more information.

1. In standby mode, press the **MENU** (left) soft key () , then press  (for **Camera**),  (for **Settings**), and  for **Brightness**. The following options appear in the display:
 - +5
 - +4

- +3
- +2
- +1
- 0
- -1
- -2
- -3
- -4
- -5

2. Use the navigation keys to highlight the desired brightness and press the  key. You're returned to the **Settings** menu.

Note: -1 – -5 are not initially visible in the display. Use the navigation keys to scroll down and view these menu items.

Border Pictures with Fun Frames

Add your own touch to pictures using Fun Frames. Each of the ten available settings border and crop pictures to lend a different theme to your images.

Note: With Fun Frames enabled, the camera will only take pictures in Low resolution mode (regardless of the resolution setting in the camera Settings sub menu).

1. In standby mode, press the **MENU** (left) soft key () , then press  (for **Camera**),  (for **Settings**), and  for **Fun Frames**.

2. Use the navigation keys to highlight one of the following fun frames.
 - Normal
 - Dream
 - Flower01
 - Flower02
 - Frame
 - Grape
 - Mask
 - Muscle
 - Star
 - Theater

Note: Choose **Normal** to disable Fun Frames.

3. Once the Fun Frame of your choice is highlighted, press . You're returned to the **Settings** menu.
4. Now, any pictures you take adopt the theme of the fun frame that you've selected.

Be Creative with Color Tones

Change the look of your pictures with Color Tones. Choose from five available settings such as Emboss, Negative, and Sepia. The selected color tone previews in the display before you take the picture.

1. In standby mode, press the **MENU** (left) soft key () , then press  (for **Camera**),  (for **Settings**), and  for **Color Tones**.

Use the navigation keys to highlight one of the following color tones:

Note: Choose **Normal** to disable Color Tones.

- **Normal** — Subjects and pictures appear with a normal hue.
 - **Sepia** — Subjects and pictures appear in a brownish-gray hue.
 - **Monochrome** — Subjects and pictures appear in black and white.
 - **Negative** — Subjects and pictures appear with light and dark colors inverted.
 - **Emboss** — Subjects and pictures appear with a raised, ornamental look.
 - **Sketch** — Subjects and pictures appear as sketched artwork.
2. Once the color tone of your choice is highlighted, press the **OK** key. You're returned to the **Settings** menu.

When you take your next picture, the phone's display previews your subject image with the selected color tone.

Use Shutter Sound

Choose from five different sounds whenever you take a picture. Aside from being a cool sound effect, Shutter Sound acts as an audible reminder that your camera has taken the picture.

1. In standby mode, press the **MENU** (left) soft key () , then press  (for **Camera**),  (for **Settings**), and  for **Shutter Sound**.

2. Use the navigation keys to highlight one of the following shutter sounds. Each sound plays as it is highlighted.
 - **Sound 1**
 - **Sound 2**
 - **Sound 3**
 - **Sound 4**
 - **Sound 5**
3. Once your choice is highlighted, press the **OK** key. You're returned to the **Settings** menu.

The Quality Setting

You can affect how much your photo is compressed, thereby reducing it's overall size (not to be confused with resolution).

1. In standby mode, press the **MENU** (left) soft key (**ooo**), then press **7pqrs** (for **Camera**), **3def** (for **Settings**), and **5jkl** for **Quality**.
2. Use the navigation keys to highlight **Fine**, **Normal**, or **Economy**.
3. Once the quality setting of your choice is highlighted, press the **OK** key. You're returned to the **Settings** menu.

White Balance

White Balance lets you adjust picture quality according to available light.

1. In standby mode, press the **MENU** (left) soft key (**ooo**), then press **7pqrs** (for **Camera**), **3def** (for **Settings**), and **6mno** for **White Balance**. The following White Balance options appear in the display:

- **Auto** — The camera automatically adjusts picture quality to available light.
 - **Sunny** — Use this setting when taking pictures in full sun.
 - **Cloudy** — Use this setting when taking pictures in cloudy conditions.
 - **Tungsten** — Use this setting when taking pictures under incandescent lights.
 - **Fluorescent** — Use this setting when taking pictures under fluorescent lights.
2. Use the navigation keys to highlight one of the white balances, then press the  key. You're returned to the **Settings** menu.

Point, Click, and Send a Picture

Take a picture and send it to anyone with a compatible device in a few easy steps.

Tip: You can send a Picture message to up to ten recipients. Separate each recipient's address or phone number with a comma in the **Send to** field of the Picture message composer.

1. In standby mode, press and hold a **Camera** key () to activate the camera.
2. Using the display as a viewfinder, take the desired picture by pressing a **Camera** key ( ) or the  key.
3. Press the  key to display the Picture message composer.
4. Enter the recipient's phone number or e-mail address using the keypad.

5. Press the  key to send the Picture message to the intended recipients.

Section 12: Tools

Topics Covered

- Voice Recognition
 - Today
 - Scheduler
 - Jump To Date
 - To Do List
 - Memo Pad
 - Count Down
 - Alarm Clock
 - World Time
 - Calculator
-

This section explains how you can use your phone's Personal Information Manager (PIM) functions to view today's calendar, schedule appointments, create To-Do lists, set an alarm, perform simple math calculations, and more.

Voice Recognition

Your SCH-a850 includes VoiceSignal, state-of-the-art voice recognition software that lets you use your voice to dial numbers, access your Contacts list, and open Tools. To access your phone's voice recognition, do the following:

1. In standby mode, press the **MENU** (left) soft key () , then press  (for **Tools**), and  for **Voice Recognition**. The following options appear in the display:
 - **Voice Command** — Lets you place calls, access your Contacts List, review your appointments, and more by speaking commands into your phone. Also see "Voice Dialing" on page 38 and "Voice Method" on page 75 for more information.
 - **Voice Memo** — Lets you record, review, and erase voice memos. See "Voice Memo" on page 152 for more information.
 - **TTS** — Text To Speech — Main menu item labels play through the earpiece. See "Text To Speech (TTS)" on page 154 for more information.
 - **Voice Setting** — Lets you tailor VoiceSignal to better respond to your voice and your phone use preferences. See "Voice Setting — Digit Dialing" on page 154 for more information.
2. Use the navigation keys to highlight the desired sub-menu, then press .

Voice Commands

To access the Voice Commands menu, do one of the following:

- In standby mode, press and hold the  key.

“**Say a Command**” appears in the display and is pronounced through the earpiece, followed by a list of available commands.

- In standby mode, press the **MENU** (left) soft key () , then press  (for **Tools**),  (for **Voice Recognition**), and  for **Voice Command**.

Note: You can also set your phone to start VoiceSignal when you open the phone. See “Voice Setting — Voice Launch” on page 159 for more information.

The following voice commands appear in the display:

- **Voice Dial** — Lets you dial the phone by saying any name stored in your contact list, without ever having to record, or “train” that name. VoiceSignal automatically voice-activates all your contacts, even if you have hundreds of them stored on your phone. You can also dial any telephone number, even if it is not stored in your contact list, by saying the digits in the number. (See “Voice Dialing” on page 38 for more information.)
- **Voice Memo** — Lets you access the voice memo feature of your phone. (See “Voice Memo” on page 152 for more information.)
- **Today** — Lets you access the Today feature of your phone. (See “Today” on page 160 for more information.)
- **Calendar** — Lets you access the Calendar feature of your phone. (See “Scheduler” on page 162 for more information.)
- **Contacts** — Lets you look up and display contact information for any name stored in your Contacts list by saying the name. (See “Finding a Contacts Entry” on page 75 for more information.)
- **Status** — Lets you say a single command (“**Status**”) to check your phone's network coverage, signal strength, and battery.

Note: Speaking clearly, say the command that you want to use. If VoiceSignal does not recognize a command, it prompts you to repeat the command. If VoiceSignal still does not recognize the command, it tells you “**Sorry, no match found**” and cancels voice recognition.

Voice Command Tips:

- Make sure you wait for the beep before speaking.
- Speak clearly at a normal volume, as if you were talking on the phone.

Voice Memo

You can use your phone to record voice memos for later playback. You can also record the caller on the other end of the line during a phone conversation.

Note: There is limited space for the number and length of recordings.

- The maximum number of voice memos is 10.
- The maximum length for a single voice memo is 60 seconds.

Record a Voice Memo

1. In standby mode, press the **MENU** (left) soft key () , then press  (for **Tools**),  (for **Voice Recognition**),  for **Voice Memo**, and  for **Record**. The phone prompts, “Please Record After the Beep.”

Tip: In standby mode, press and hold  until the phone prompts, “Say a command.” Say “Voice Memo” into the microphone to launch Voice Memo.

2. Wait for the beep, then start speaking. As it is recording the phone displays a countdown timer that shows the seconds remaining for the recording.
 - To pause the memo, press the **Pause** (left) soft key (). When a memo is paused, select **Resume** to resume recording.
3. Press the **Stop** (right) soft key () once you're finished recording. The voice memo is automatically saved.

The **Memo Review** screen appears in the display with the new voice memo highlighted. See “Review and Erase Voice Memos” on page 153 for more information.

4. Press the  key to return to the **Voice Memo** menu.

Review and Erase Voice Memos

If you’ve saved any voice memos, you can review them anytime.

1. In standby mode, press the **MENU** (left) soft key () , then press  (for **Tools**),  (for **Voice Recognition**),  for **Voice Memo**, and  for **Review**. A list of saved voice memos appears in the display.
2. Use the navigation keys to highlight the voice memo you wish to review.
3. Press the **Play** (right) soft key () to play the voice memo.
4. Press the **Option** (left) soft key () to **Erase** the selected voice memo, **Erase All** voice memos, **Edit Caption** for the selected voice memo, or display **Info** for the selected voice memo.
5. Press the  key to return to the **Voice Memo** menu.

Erase All Voice Memos at One Time

1. In standby mode, press the **MENU** (left) soft key () , then press  (for **Tools**),  (for **Voice Recognition**),  for **Voice Memo**, and  for **Erase All**. “**Erase All Voice Memos?**” appears in the display.
2. Use the navigation keys to highlight **Yes** (to erase all memos) or **No** (to return to the previous menu).
3. Press  to confirm your selection.

Text To Speech (TTS)

With TTS on, your phone “reads” main menu items through the earpiece when you highlight each one. To enable TTS, do the following:

1. In standby mode, press the **MENU** (left) soft key () , then press  (for **Tools**),  (for **Voice Recognition**), and  for **TTS**. The following options appear in the display:

- **TTS On** — Enables Text-To-Speech.
- **TTS Off** — Disables Text-To-Speech.

The current setting is highlighted. The default setting is **TTS Off**.

2. Use the navigation keys to highlight **TTS On**. then press the  key to save and exit.

Voice Setting — Digit Dialing

If you regularly have trouble with VoiceSignal not recognize the numbers you say, try adapting digit dialing to your voice. Adapting can improve the accuracy of digit recognition, especially for people with strong regional accents.

Note: After you adapt Digit Dial, your phone is customized to your voice, and your voice only. Others will not be able to use it unless they reset the phone to factory defaults.

Adaptation involves recording several sequences of four digits each. The recording process takes about a minute.

Tips for Adapting Digit Dialing

- Use Adapt Digits in a quiet place.
- Make sure you wait for the beep before starting to speak.
- Speak clearly, and say each digit distinctly.
- If you make a mistake while recording a sequence of digits, or if there is an unexpected noise that spoils the recording, re-record that sequence.
- Only adapt digits if you are regularly having problems with digit dialing. Once you adapt, digit dialing will not work as well for other people using your phone. (You can always reset digit adaptation to its original state, as described below.)

Adapt Digits

To adapt digit dialing, do the following:

1. In standby mode, press the **MENU** (left) soft key () , then press  (for **Tools**),  (for **Voice Recognition**),  (for **Voice Setting**), and  for **Digit Dialing**. The following options appear in the display:
 - **Adapt Digits**
 - **Reset Digits**
2. Use the navigation keys to highlight **Adapt Digits**, then press the  key. Your phone displays the first digit sequence and “**Please say**” plays through the speaker followed by the four digits appearing in the display.
3. Wait for the beep and say the digits using your normal tone of voice. After a moment, the phone plays back the recording and prompts “**Did the recording sound ok?**”
 - If the recording was good, say “**Yes.**”
 - If you need to re-record, say “**No.**”

If you say “**No,**” the phone prompts you to pronounce the digits again. Wait for the beep and then say the digits.

Repeat this step until you're satisfied with the recording.

4. After confirming that the recording sounds "ok", continue the recording process with the next set of digits.
5. After six sets of digits, the phone asks whether you want to do more adaptation. Answer "**Yes**."
6. Repeat steps 4 and 5 for another six sets of digits. After the second group of six sets of digits, "**Adaptation complete**" plays through the speaker and you are returned to the **Setup Digit** menu.

Reset Digits

To reset digit dialing to factory default settings, do the following:

1. In standby mode, press the **MENU** (left) soft key () , then press  (for **Tools**),  (for **Voice Recognition**),  (for **Voice Setting**), and  for **Digit Dialing**. The following options appear in the display:
 - **Adapt Digits**
 - **Reset Digits**
2. Use the navigation keys to highlight **Reset Digits**, then press the  key. The phone prompts you to confirm digit rest.
3. Use the navigation keys to select **Yes** to reset your digit adaptation, or **No** to cancel.
4. Press the  key to save and exit.

Voice Setting — Sensitivity

1. In standby mode, press the **MENU** (left) soft key () , then press  (for **Tools**),  (for **Voice Recognition**),  (for **Voice Setting**), and  for **Sensitivity**. The following options appear in the display:
 - **Commands** — Lets you control your phone's sensitivity to spoken voice commands.
 - **Names** — Lets you control your phone's sensitivity to spoken names from your Contact list.
2. Use the navigation keys to highlight an option, then press the  key to select the highlighted option. The selected Sensitivity screen appears in the display.
3. Use the **Up** and **Down** navigation keys to adjust the selected Sensitivity setting incrementally between **Reject More** spoken commands or names and **Reject Less** spoken commands or names.
4. Press the  key or the **OK** (left) soft key () to accept the new setting. Press the  key to discard the new setting and return to the **Voice Setting** menu.

Voice Setting — Choice Lists

When VoiceSignal cannot recognize a name or number, it displays a choice list of up to three possible choices, and prompts you to confirm the correct one.

You can select how VoiceSignal will use choice lists with name dialing, digit dialing, and contacts.

To change the way VoiceSignal uses choice lists:

1. In standby mode, press the **MENU** (left) soft key () , then press  (for **Tools**),  (for **Voice Recognition**),  (for **Voice Setting**), and  for **Choice Lists**.

2. Use the navigation keys to highlight **Name Dialing**, **Digit Dialing**, or **Contacts**, then press the  key.
3. Use the navigation keys to highlight the Choice List behavior you prefer:
 - **Automatic** — VoiceSignal displays a choice list only when it is not sure if it has correctly recognized the name or number.
 - **Always On** — VoiceSignal always displays a choice list, even when there is only one choice.
 - **Always Off** — VoiceSignal never displays a choice list.
4. Press the  key or the **OK** (left) soft key () to accept the new setting. Press the  key to discard the new setting and return to the **Voice Setting** menu.

Voice Setting — Sound

Sound lets you specify what (if any) text prompts you want your phone to read to you through the earpiece.

1. In standby mode, press the **MENU** (left) soft key () , then press  (for **Tools**),  (for **Voice Recognition**),  (for **Voice Setting**), and  for **Sound**. The following options appear in the display:
 - **Prompts** — Enables or disables audio prompts.
 - **Digits** — Enables or disables audio digit playback.
 - **Names** — Enables or disables audio name playback.
 - **Name Settings** — Lets you adjust the **Speed** (**Faster** or **Slower**) and **Volume** (**Louder** or **Softer**) of your phone's audio name playback.
2. Use the **Up** and **Down** navigation keys to highlight the desired option, then press the  key.
3. Use the **Up** and **Down** navigation keys to highlight the desired setting.

4. Press the **OK** key or the **OK** (left) soft key () to accept the new setting. Press the **CLR** key to discard the new setting and return to the **Voice Setting** menu.

Voice Setting — Voice Launch

To set the key or action that launches VoiceSignal, do the following:

1. In standby mode, press the **MENU** (left) soft key () , then press  (for **Tools**),  (for **Voice Recognition**),  (for **Voice Setting**), and  for **Voice Launch**. The following options appear in the display:
 - **Zero Only?** — Press and hold  to activate VoiceSignal for one call.
 - **Zero or Flip?** — Press and hold  to activate VoiceSignal for repeated calls. Open and close folder to make and end calls using Voice Recognition. Press  to release VoiceSignal.
 - **Zero or EarMic?** — Attach a headset to your phone. Press and hold  or press and hold the button on the headset to activate VoiceSignal.
2. Use the navigation keys to highlight the option you want, then press the **OK** key to save and exit. Press the **CLR** key to discard the new setting and return to the **Voice Setting** menu.

Voice Setting — About VoiceSignal

This option causes the **About VoiceSignal** screen to appear in the display, showing version and build information about the VoiceSignal software included on your phone.

1. In standby mode, press the **MENU** (left) soft key () , then press  (for **Tools**),  (for **Voice Recognition**),  (for **Voice Setting**), and  for **About**.

The **About VoiceSignal** screen appears in the display showing the version level of the VoiceSignal software currently installed on your phone.

Today

Schedule up to nine events for the current day by indicating each event's start and end time. Set alarms for events so that you can be alerted before an event takes place. Events scheduled for future dates automatically appear on your Today events schedule for the present day.

Add a New Event

1. In standby mode, press the **MENU** (left) soft key () , then press  (for **Tools**) and  for **Today**. One of the following screens appears in the display:
 - The **New Event** screen.
 - Or
 - The **Event** screen, showing events scheduled for today.

Tip: To launch Today using a voice command — In standby mode, press and hold  until the phone prompts, “Say a command.” Say “Today” into the microphone.

2. If the **Event** screen appears, press the **Option** (left) soft key () and press  for **Add new**. The **New Event** screen appears in the display.
3. In the New Event screen, enter details of the new event using the keypad, then press the **Option** (left) soft key (). A pop-up menu containing the following text entry mode options appears in the display:
 - **T9 Word**

- ABC
- Symbol
- 123

Note: The current mode of text entry is indicated in the lower right corner of the display.

4. Use the navigation keys to highlight the entry mode that you wish to use, or press  to exit the pop-up menu.

Note: See “Section 5: Entering Text” on page 63 for more information about entering text.

5. When you're finished entering details for the event, press . The **Time Setup** screen appears in the display.
Use the **Up** and **Down** navigation keys to select Time Setup options.
6. To set the **Time**:
 - Use the **Left** and **Right** navigation keys to select **am** or **pm**.
 - Enter the time for the event using the keypad.
7. Enter the **Date** for the event using the keypad.
8. When you're finished entering the time and date, use the **Up** and **Down** navigation keys to highlight **Alarm Option**.
9. Use the **Left** and **Right** navigation keys to select **No alarm** or to select the amount of time before the event occurs that you wish to be notified by an alarm.
10. Press  to store the event in your calendar. An alarm will notify you prior to the event, if **Alarm Option** is set to a value other than **No alarm**.

Scheduler

Scheduler allows you to view the current, past, or future month in calendar format. While viewing the calendar, the current date is highlighted, and days with scheduled events are surrounded by a box.

View an Event

1. In standby mode, press the **MENU** (left) soft key () , then press  (for **Tools**) and  for **Scheduler**.

Tip: To launch Calendar using a voice command — In standby mode, press and hold  until the phone prompts, “**Say a command.**” Say “**Calendar**” into the microphone.

2. A calendar appears in the display with the current date highlighted. The month, day, and year appear at the top of the display.
3. Use the navigation keys to highlight different dates within the current month.
 - Press  to open a date that is highlighted.
 - Press the volume up key to view previous months.
 - Press the volume down key to view future months.
4. Press the **Option** (left) soft key (). The following options appear in the display:
 - **View** — View events for the date surrounded by a box.
 - **Add new** — Add a new event for the date.
5. Use the navigation keys to highlight an option. Press  to enter the highlighted option's sub menu.

Jump To Date

Go directly to any date that you specify in the Jump to Date entry screen.

1. In standby mode, press the **MENU** (left) soft key () , then press  (for **Tools**) and  for **Jump To Date**. The Jump to Date entry screen appears in the display.
2. Enter the desired Jump to date, then press  . The calendar month for the date you specified appears in the display, with the date that you entered highlighted.

Note: See “Scheduler” on page 162 for more information.

To Do List

The To Do List allows you to create a task list. You can store, prioritize and manage up to twenty To Do List tasks.

1. In standby mode, press the **MENU** (left) soft key () , then press  (for **Tools**) and  for **To Do List**. The **Add To Do** screen appears in the display.
2. Enter details of the task using the keypad. Press the **Option** (left) soft key () to display a pop-up menu containing the following text entry mode options.
 - **T9 Word**
 - **ABC**
 - **Symbol**
 - **123**

Note: The current mode of text entry is indicated in the lower right corner of the display.

3. Use the navigation keys to highlight the entry mode that you wish to use, or press **OK** to exit the pop-up menu.
-

Note: See “Section 5: Entering Text” on page 63 for more information about entering text.

4. When you're finished entering details for the task, press **OK**. A Time Setup screen appears in the display.
Use the **Up** and **Down** navigation keys to select Time Setup options.
5. Use the **Left** and **Right** navigation keys to select the **Priority** for the task (**High** or **Low**).
6. Press the **Down** navigation key to highlight **Enter Date**.
7. To set the **Time**:
 - Use the **Left** and **Right** navigation keys to select **am** or **pm**.
 - Enter the time for the task using the keypad.
8. Enter the **Date** for the task using the keypad.
9. Press **OK** to store the task.

Add, Edit, and Erase To-Do List Tasks

1. In standby mode, press the **MENU** (left) soft key (**☰**), then press **8** (for **Tools**) and **5** (for **To Do List**).
2. Use the **Left** and **Right** navigation keys to browse tasks in your To Do List. Events are presented in order of priority.
3. Press the **Option** (left) soft key (**☰**) while viewing your To Do List. The following options appear in the display:

- **Add new** — Add a new task to the To Do List.
 - **Edit** — Edit the task currently appearing in the display.
 - **Erase** — Erase the task currently appearing in the display.
 - **Erase All** — Erase all tasks from your To Do List.
4. Use the navigation keys to highlight an option.
 5. Press **OK** to perform the function for the highlighted option.

Memo Pad

Create notes and store them in Memo Pad. Notes that you create in Memo Pad can't be prioritized or assigned an alert. Return to Memo Pad anytime to review and edit your notes.

1. In standby mode, press the **MENU** (left) soft key () , then press  (for **Tools**) and  for **Memo Pad**.
2. If you have any stored memos, they appear as a list in the display. If this is your first time in Memo Pad, you're prompted to add a new memo.
3. Enter a memo using the keypad.
4. Press the **Option** (left) soft key () to display a pop-up menu containing the following text entry mode options.
 - **T9 Word**
 - **ABC**
 - **Symbol**
 - **123**

Note: The current mode of text entry is indicated in the lower right corner of the display.

5. Use the navigation keys to highlight the entry mode that you wish to use, or press  to exit the pop-up menu.

Note: See “Section 5: Entering Text” on page 63 for more information about entering text.

6. When you're finished entering details for the memo, press . The memo is stored.

Review, Add, Edit, and Erase Memos

1. In standby mode, press the **MENU** (left) soft key () , then press  (for **Tools**) and  for **Memo Pad**. Your list of stored memos appears in the display.
2. Use the navigation keys to browse memos. Press  to open a highlighted memo.
3. Press the **Option** (left) soft key () while viewing your memos. The following options appear in a pop-up menu:
 - **Add new** — Add a new memo to Memo Pad.
 - **Edit** — Edit the memo currently highlighted or appearing in the display.
 - **Erase** — Erase the memo currently highlighted or appearing in the display.
 - **Erase All** — Erase all memos from Memo Pad.
4. Use the navigation keys to highlight an option.
5. Press  to perform the function for the highlighted option.

Count Down

Count Down allows you to view the amount of time between the current date and any event that you wish to schedule. You can create up to twenty Count Down events.

1. In standby mode, press the **MENU** (left) soft key () , then press  (for **Tools**) and  for **Count Down**.

Note: If you have any stored Count Down timers, the first timer appears in the display. If you have more than one, the event scheduled closest to today's date appears first. Use the navigation keys to browse between multiple timers.

2. Enter details for the Count Down event using the keypad.
3. Press the **Option** (left) soft key () to display a pop-up menu containing the following text entry mode options.
 - **T9 Word**
 - **ABC**
 - **Symbol**
 - **123**

Note: The current mode of text entry is indicated in the lower right corner of the display.

4. Use the navigation keys to highlight the entry mode that you wish to use, or press  to exit the pop-up menu.

Note: See “Section 5: Entering Text” on page 63 for more information about entering text.

5. Once you've finished entering details for the Count Down event, press . The **Count Down** screen appears in the display.

Use the **Up** and **Down** navigation keys to select Count Down options.

6. To set the **Time**:
 - Use the **Left** and **Right** navigation keys to select **am** or **pm**.
 - Enter the time for the task using the keypad.
7. Enter the **Date** for the task using the keypad.
8. Press **OK** to store the event.

Review, Add, Edit, and Erase Count Down Events

Review scheduled Count Down events to determine how much time remains between the current time / date and any event that you've scheduled. You can also add another event, or edit and erase previously scheduled events.

1. In standby mode, press the **MENU** (left) soft key () , then press **8**  (for **Tools**) and **7**  for **Count Down**.
2. Any stored Count Down events appear in the display. The event scheduled closest to the current date appears first in the display.

Event details of the scheduled event appear in the upper half of the display. The number of days, hours, and minutes remaining until the time and date of the scheduled event appear in the lower half of the display.

3. Press the **Option** (left) soft key () while viewing your memos. The following options appear in the display:
 - **Add new** — Add a new event to Count Down.
 - **Edit** — Edit the event currently appearing in the display.
 - **Erase** — Erase the event currently appearing in the display.
 - **Erase All** — Erase all scheduled events from Count Down.

4. Use the navigation keys to highlight an option. Press  to perform the function for the highlighted option.

Alarm Clock

Your phone has three alarm clocks that can be set to go off once, or to recur daily at a specific time. Once set, an alarm clock is easy to change or turn off completely.

Note: The alarm doesn't function when the phone is turned off. If the time for an alarm that was set for Once has elapsed while the phone is off, the alarm occurs at the specified time on the next day.

1. In standby mode, press the **MENU** (left) soft key () , then press  (for **Tools**) and  for **Alarm Clock**. The following options appear in the display:
 - **Alarm Clock 1**
 - **Alarm Clock 2**
 - **Alarm Clock 3**
2. Use the navigation keys to highlight the alarm clock that you wish to set, then press . The Alarm Set screen appears in the display.
Use the **Up** and **Down** navigation keys to select Alarm Set options.
3. Use the **Left** and **Right** navigation keys to set the alarm **Off** or **On**.
4. To set the **Time**:
 - Use the **Left** and **Right** navigation keys to select **am** or **pm**.
 - Enter the time for the task using the keypad.

5. Use the **Left** and **Right** navigation keys to select the frequency at which you wish the alarm to occur (**Once**, **Daily**, **Mon-Fri**, **Mon-Sat**, **Every Sun**, **Every Sat**, or **Every Weekend**).
6. Press **OK** when you're finished entering the time and frequency for the alarm. If the alarm is set to **On**, the alarm icon () appears in the top of the display.

When an Alarm Sounds

An animated alarm clock appears in the display and an alert sounds when the specified time for the alarm arrives.

- Press **OK** to silence the alarm.
- If the alarm was set as a Daily alarm, the alarm icon remains in the top of the display.
- If the alarm was set as a Once only alarm, the alarm icon disappears from the top of the display.

Turn Off the Alarm

1. In standby mode, press the **MENU** (left) soft key () , then press **8**  (for **Tools**) and **8**  for **Alarm Clock**. The following options appear in the display:
 - **Alarm Clock 1**
 - **Alarm Clock 2**
 - **Alarm Clock 3**
2. Use the navigation keys to highlight the desired alarm, then press **OK**. The following options appear in the display:
 - **Alarm**
 - **Time**
 - **Alarm Interval**

3. Use the **Up/Down** navigation keys to highlight **Alarm**.
4. Use the **Left/Right** navigation keys to highlight **Off**, then press . The selected alarm is turned off.

World Time

World Time lets you view the time of day or night in any of the 24 different time zones around the world.

Note: To use World Time, you need to subscribe to your Cellular Provider's digital service.

1. In standby mode, press the **MENU** (left) soft key () , then press  (for **Tools**) and  for **World Time**. A world map appears in the display.
2. Use the **Left** and **Right** navigation keys to browse cities and their current times. The following cities are supported.

Alaska	San Francisco	Denver/Arizona
Chicago/Mexico	New York	Caracas
Brasilia	Mid Atlantic	Cape Verde
London	Paris/Berlin	Athens/Helsinki
Moscow	Abu Dhabi	Tashkent
Alma-ata	Bangkok/Jakarta	Hongkong/Beijing
Seoul/Tokyo	Guam/Sydney	Okhotsk
Wellington	Samoa/Midway	Honolulu, Hawaii

3. Do one of the following:
 - Press the  key to set the selected time zone as the home time zone for your phone.
 - Press the **Back** (right) soft key () to return to the **Tools** menu.

Enable Daylight Savings Time (DST)

1. While viewing the World Time map, press the **Option** (left) soft key (). **Off** and **On** appear in the display.
2. Use the navigation keys to highlight **On**, then press . Daylight Savings Time is enabled.

Calculator

You can perform calculations, including addition, subtraction, multiplication and division using your phone.

1. In standby mode, press the **MENU** (left) soft key (), then press  (for **Tools**) and  for **Calculator**. The Calculator appears in the display.
2. Enter the first number in your equation using the keypad. (Numbers can be up to nine digits long.)
 - Press  to enter a decimal point.
 - Press  to change the sign for a number to a negative.
 - Press the **Option** (left) soft key () to add parentheses **[()]** to your equation or to enter an exponent (**^**), such as, 3^2 , which is the equivalent of 3^2 .
3. Use the navigation keys (as shown in the **Calculator** screen) to set the type of calculation that you wish to perform. Your choices are as follows.
 - **[+]** Addition
 - **[x]** Multiplication
 - **[-]** Subtraction
 - **[÷]** Division
4. Use the keypad to enter the second number into your equation.

5. Press  to perform the calculation and view the result.

Section 13: Setup

Topics Covered

- Location Setting
 - Display Settings
 - Sound Settings
 - Network Settings
 - Security Settings
 - Call Options
 - Shortcut Setting
 - Language Setting
 - Clock Set
 - Version Information
-

This section explains how to configure your phone's language, network preferences, security options, and other settings.

Location Setting

You can set your phone to pass Global Positioning System (GPS) data to identify your location to the network continually or only when you make an emergency (911) call.

Note: Check with your wireless carrier to determine if/when/where location-based services are available.

1. In standby mode, press the **MENU** (left) soft key () , then press  (for **Setup**) and  for **Location**. The following Location options appear in the display:
 - **Location On** — Your location data is continually sent wherever the feature is available.
 - **911 Only** — Your location data is sent only when you dial 911.
2. Use the navigation keys to highlight an option.
3. Press  to select the function. The **Setup** menu appears in your display.
4. Press  to return to standby mode.

Display Settings

Display settings let you change your phone's menu appearance, display brightness and contrast, and display content to better meet your needs.

Display Settings

You can set the menu style, standby mode animation, customize backlight settings, and more in the Display sub menu.

1. In standby mode, press the **MENU** (left) soft key () , then press  (for **Setup**) and  for **Display**. The following menus appear in the display:
 - **Menu Style** — Choose how main menus appear in the display when the **MENU** (left) soft key () is pressed.
 - **Animation** — Choose the images that display on your phone when you turn it on, turn it off, and while in standby mode.
 - **Banner** — Create your own personalized greeting that appears in the display when your phone is in standby mode.
 - **Backlight** — Set backlight options for the display and keypad.
 - **Auto Hyphen** — With Auto Hyphen enabled, your phone automatically hyphenates numbers as they are entered.
 - **Dial Digits** — Lets you select the color of your dialing font.
 - **Dial Screen** — Lets you select the background color for the dialing screen. You can choose from a variety of colors.
 - **Contrast** — Lets you set display contrast.
 - **Service LED** — Enable or disable the Service LED.
2. Use the navigation keys to highlight a sub menu.
3. Press the  key to enter the highlighted sub menu. The following sections describe the Display sub menus in greater detail.

Menu Style

1. In standby mode, press the **MENU** (left) soft key () , then press  (for **Setup**),  (for **Display**), and  for **Menu Style**. The following options appear in the display:
 - **Icon** — Shows all main menus as an array of icons.
 - **List** — Shows main menus in scrollable list (text) format.

2. Use the navigation keys to highlight **Icon** or **List**, then press the  key.

Animation

Animation lets you choose the animated pictures that appear in your phone's display when you turn it on, turn it off, and while in standby mode.

1. In standby mode, press the **MENU** (left) soft key () , then press  (for **Setup**),  (for **Display**), and  for **Animation**. The following options appear in the display:
 - **Opening** — Lets you select an animated image file that appears in the display during the phone's power on sequence.
 - **Closing** — Lets you select an animated image file that appears in the display during the phone's power off sequence.
 - **Wallpaper** — Lets you select an animated image file that appears in the display when your phone is in standby mode.
2. Use the navigation keys to highlight the desired animation, then press the  key. The following options appear in the display:
 - **My Image** — Lets you select an image that you've downloaded from the Internet as an Opening, Closing, or Wallpaper image.
 - **Preloaded** — Lets you select an image that came preloaded with your phone as an Opening, Closing, or Wallpaper image.
3. Use the navigation keys to highlight the image type that you wish to use and press the  key. A list of images appears in the display.
4. Use the navigation keys to highlight the image that you wish to use and press the  key to save your selection.

Banner

Create your own personalized greeting that appears in the display while your phone is in standby mode.

1. In standby mode, press the **MENU** (left) soft key () , then press  (for **Setup**),  (for **Display**), and  for **Banner**.

Tip: Press and hold  to erase an existing banner, if necessary.

2. Enter a word or short phrase to appear in your phone's display while in standby mode (Up to 12 characters). See "Section 5: Entering Text" on page 63 for more information.
3. Press the  key to save the new banner.

Backlight

You can set the backlight for your display or keypad to remain on for a specified period of time or remain on as long as the folder is open.

Note: Prolonged backlight use drains your battery faster.

1. In standby mode, press the **MENU** (left) soft key () , then press  (for **Setup**),  (for **Display**), and  for **Backlight**. The following sub menus appear in the display:
 - **LCD** — Sets the time the internal display backlight remains on after a period of inactivity. Optional settings are: **5 seconds**, **10 seconds**, **15 seconds**, and **Folder Open**.
 - **Keypad** — Sets the amount of time the keypad backlight remains on after a period of inactivity. Optional settings are: **5 seconds**, **10 seconds**, **15 seconds**, and **Folder Open**.

- **Power save** — Unless the backlight settings have been changed, the backlight dims after a minute of inactivity, and then turns off. With Power save enabled (**On**), the backlight for the internal display is always dim. If the backlight settings have not been changed, after 15 seconds of inactivity, Power save turns the backlight off.
2. Use the navigation keys to highlight the desired sub menu and press the **OK** key.
 3. Use the navigation keys to change settings as desired the selected sub menu, and press the **OK** key to save your selection.

Auto Hyphen

Auto Hyphen automatically hyphenates phone numbers as they are entered. For example: 5804370000 automatically becomes 580-437-0000.

1. In standby mode, press the **MENU** (left) soft key () , then press  (for **Setup**),  (for **Display**), and  for **Auto Hyphen**. The following options appear in the display:
 - **No** — Disables Auto Hyphen.
 - **Yes** — Enables Auto Hyphen.
2. Use the navigation keys to highlight the desired setting and press the **OK** key to save the setting.

Dial Digits

Lets you select the color of your dialing font.

1. In standby mode, press the **MENU** (left) soft key () , then press  (for **Setup**),  (for **Display**), and  for **Dial Digits**. The following options appear in the display:

- **Hyphenated** — Each set of entered digits (area code, exchange, and directory number) each appear in a different color.

Note: To select the **Hyphenated** option, you must first set the **Auto Hyphen** to **On**.

- **Rainbow** — Entered digits each appear in a different color in the dialing screen.
 - **Basic** — Entered digits appear as black in the dialing screen.
2. Use the navigation keys to highlight the desired setting and press the **OK** key to save the selected setting.

Dial Screen

Lets you select the background color for the dialing screen. You can choose from a variety of colors.

1. In standby mode, press the **MENU** (left) soft key () , then press  (for **Setup**),  (for **Display**), and  for **Dial Screen**. The following options appear in the display:
 - **Color Setting** — Shows a preview of the Dialing Screen and a color selection bar.
 - **Off** — Sets the dialing screen background color to the default value (white).
2. Use the navigation keys to highlight the desired option, then press the **OK** key.
3. If you select **Color Setting**, use the navigation keys to highlight the desired background color (which appears in the preview screen), then press the **OK** key to save the selected color setting.

Contrast

Set the display contrast to your preference.

1. In standby mode, press the **MENU** (left) soft key () , then press  (for **Setup**),  (for **Display**), and  for **Contrast**. The following options appear in the display:
 - **Main LCD**
 - **Front LCD**
2. Use the navigation keys to highlight the display you want to adjust, then press the  key. An interactive contrast adjustment screen appears in the display showing the current contrast setting.
3. Use the **Left** and **Right** navigation keys to adjust the contrast for the selected display. The results of your adjustments appear in the display.
4. Press the  key to save your new contrast setting.

Service LED

You can enable or disable your phone's Service LED. The Service LED is located to the right of the folder hinge, on the front of your phone. The Service LED notifies you of the charge status, incoming calls, and more.

1. In standby mode, press the **MENU** (left) soft key () , then press  (for **Setup**),  (for **Display**), and  for **Service LED**. The following options appear in the display:
 - **Off** — Disables the service LED.
 - **On** — Enables the service LED.
2. Use the navigation keys to highlight the desired setting and press the  key to save the selected setting.

Sounds Settings

Sound settings let you customize your phone's audio properties, such as ringers, keypad tones, alerts, start up melody, and more.

Volume/Vibrate

Use the Volume / Vibrate sub menu to set the default volume for incoming calls and alarms.

1. In standby mode, press the **MENU** (left) soft key () , then press  (for **Setup**),  (for **Sounds**), and  for **Volume/Vibrate**. The following options appear in the display:
 - **Calls** — Lets you set your phone to be silent, play a sound, and/or vibrate in response to incoming calls.
 - **Alarm** — Lets you set your phone to be silent, play a sound, and/or vibrate in response to a preset alarm time being reached.
2. Use the navigation keys to highlight the desired option, then press the  key.
3. Use the navigation keys or the up and down volume keys on the left side of your phone to select the volume level (**Silent**, **1 Beep**, or **Levels 1 – 5**) or vibrate mode (**Vibrate**, **Vib+Ring**) for the selected option.
4. Press the  key to save the option setting.

Ringer Type

You can assign ring tones and melodies for calls, alarms, and other alerts in the Ringer Type sub menu.

1. In standby mode, press the **MENU** (left) soft key () , then press  (for **Setup**),  (for **Sounds**), and  for **Ringer Type**. The following ringer types appear in the display:
 - **Calls**
 - **Alarm**
 - **Data**
 - **Planner**
2. Use the navigation keys to highlight a ringer type, then press the  key. A pop-up menu with the following options appears in the lower left of the display:

Note: **My Melody** doesn't contain ringers or tones, unless you've previously downloaded them over the air.

- **My Melody**
 - **Preloaded**
3. Use the navigation keys to highlight **Preloaded**, then press the  key.
 4. Use the volume keys to scroll through the ringer types and melodies for the selected ringer type. Each tone plays as you scroll through the list.
 5. When the desired ringer type plays, press the  key to save.

Key Beep

Key Beep allows you to adjust the volume level and length of tone that the keypad generates each time you press a key.

1. In standby mode, press the **MENU** (left) soft key () , then press  (for **Setup**),  (for **Sounds**), and  for **Key Beep**. The following options appear in the display:
 - **Volume**
 - **Tone Length**

Volume is highlighted.
2. Press the  key to **adjust the Key Beep volume**.
 - Use the volume keys or navigation keys to set the volume level for keypad tones.
 - Press the  key when the desired key beep volume setting is reached. You are returned to the **Key Beep** sub menu.
3. Use the navigation keys to highlight **Tone Length**, then press the  key.
 - Use the navigation keys to highlight **Long** or **Normal**.
 - Press the  key to save your setting. You are returned to the **Key Beep** sub menu.

Alerts

You can set your phone to sound an alert whenever you enter or leave your service area, connect or disconnect a call, and other options.

1. In standby mode, press the **MENU** (left) soft key () , then press  (for **Setup**),  (for **Sounds**), and  for **Alerts**. The following options appear in the display:
 - **Minute Beep** — Sound an alert ten seconds before each elapsed minute of a call.
 - **Service** — Sound an alert when you go into and out of coverage areas.
 - **Connect** — Sound an alert when you connect a call.

- **Disconnect** — Sound an alert when you disconnect a call.
 - **Fade** — Sound an alert when a dropped call occurs during a conversation.
 - **Roam** — Sound an alert when you leave your home service area while on a call.
 - **Privacy** — Emit a tone whenever you are in enhanced privacy mode.
2. Use the navigation keys to highlight a sub menu, then press the **OK** key.
 3. Use the **Up/Down** navigation keys to activate (or not activate) the selected alert.
 4. Press the **OK** key to confirm your selection.

Power On/Off

Set your phone to play a sound whenever you turn the phone on and off.

1. In standby mode, press the **MENU** (left) soft key () , then press  (for **Setup**),  (for **Sounds**), and  for **Power On/Off**.
2. Use the navigation keys to highlight **On** or **Off**, then press the **OK** key.

Roam Ringer

Set your phone to sound a unique tone when a call is received outside a network service area. This feature is set to **Off** by default.

1. In standby mode, press the **MENU** (left) soft key () , then press  (for **Setup**),  (for **Sounds**), and  for **Roam Ringer**.

2. Use the navigation keys to highlight **Off** or **On**, then press the  key.

Whisper Mode

This feature allows you to talk in a low volume during a phone conversation and still be heard by the party.

1. In standby mode, press the **MENU** (left) soft key () , then press  (for **Setup**),  (for **Sounds**), and  for **Whisper Mode**.
2. Use the navigation keys to highlight **Off** or **On**, then press the  key.

Network Settings

The Network sub menu allows you to set your preferred system. Contact your wireless carrier for more information.

Set NAM

1. In standby mode, press the **MENU** (left) soft key () , then press  (for **Setup**),  (for **Network**), and  for **Set NAM**. The following Set NAM options appear in the display:
 - **NAM 1** — Your service contract has one phone line.
 - **NAM 2** — Your service contract has two phone lines.
2. Use the navigation keys and to highlight **NAM 1** or **NAM 2**, the press  to save your selection.

The idle screen appears in the display.

Roam Option

The Roam Option feature enables you to automatically or manually select the network used when roaming outside of your home area.

1. In standby mode, press the **MENU** (left) soft key () , then press  (for **Setup**),  (for **Network**), and  for **Roam Option**. The following roaming options appear in the display:
 - **metroPCS only** — Roaming is **off**. If your home system is not available then your call will not be connected, and the no service icon () appears in the display. In some service areas, an operator may come on-line and ask you how you would prefer to pay for the call.
 - **Automatic** — Roaming is **on**. It will always try your calls using the Preferred Roaming List (PRL) loaded into your phone. If a preferred service is not found, then this option will attempt to acquire any digital or analog service.
2. Use the navigation keys and to highlight the desired Roam option, the press  to save your selection. The **Network** menu appears in the display.

Security Settings

Use the Security sub menu to lock your phone, set up emergency numbers, enable or disable voice privacy, set restrictions, and other security options.

Lock Phone

Locking the phone blocks all outgoing calls except those to 911 and to the five user-programmed emergency numbers. You can lock the phone manually, or set the phone to lock automatically when turned on. In Lock mode, you can answer calls, but you must unlock the phone to place calls (except to emergency and secret numbers).

Important! If you change the **NAM1** setting after setting the phone to lock upon power-up and did not program a number into **NAM2**, you won't be able to access your phone. You must call the Service Center to unlock your phone.

1. In standby mode, press the **MENU** (left) soft key () , then press  (for **Setup**) and  for **Security**.
The **Lock** prompt appears in the display.
2. Enter the four-digit lock code using the keypad.

Note: The default lock code is the last four digits of your mobile phone number.

The **Lock** prompt disappears and the **Security** menu appears in the display.

3. Press  for **Lock Phone**. The following options appear in the display:
 - **Disable** — The phone remains unlocked.
 - **Enable on Power Up** — The phone locks automatically the next time your phone is powered on and stays locked until you enter the lock code.
 - **Enable Always** — The phone locks immediately and stays locked until you enter the lock code.

4. Use the navigation keys to highlight the Lock Phone option of your choice.
5. Press  to perform the function for the highlighted option.

Change Lock

The default lock code is generally the last four digits of your phone number. It is advisable to change the default lock code to a secret code for security purposes.

1. In standby mode, press the **MENU** (left) soft key () , then press  (for **Setup**) and  for **Security**.
The **Lock** prompt appears in the display.
2. Enter the four-digit lock code using the keypad.

Note: The default lock code is the last four digits of your mobile phone number.

The **Lock** prompt disappears and the **Security** menu appears in the display.

3. Press  for **Change Lock**. You're prompted to enter the new lock code.
4. Enter the new lock code. You're prompted to re-enter the new lock code for verification.
5. Enter the new lock code again. Your changes are stored.

Note: Your phone does not allow you to view the lock code for obvious security reasons. If you change the lock code, be sure to write down or memorize the new code.

Emergency

You have the option of storing up to five emergency numbers to your phone. Each number can be up to 32 digits in length. All emergency numbers can be dialed any time, even when your phone is locked or restricted.

Note: Emergency number 911 is hard-coded into your phone. You can dial this number any time, even when the phone is locked or restricted. If you call 911 an audible tone is heard and an Emergency prompt appears in the display for the duration of the call.

Important! Because of various transmission methods, network parameters, and user settings used to complete a call from your wireless phone, a connection cannot always be guaranteed. Therefore, emergency calling may not be available on all wireless networks at all times.

Important! DO NOT depend on this phone as a primary method of calling 911 or for essential or emergency calls.

Remember to always turn your phone on and check for adequate signal strength before placing a call.

Note: When you dial an emergency number, your phone locks itself to the emergency location that answered the call and locks itself in 911-Only mode, blocking from dialing any number but an emergency number.

Store Emergency Numbers

1. In standby mode, press the **MENU** (left) soft key () , then press  (for **Setup**) and  for **Security**.
The **Lock** prompt appears in the display.
2. Enter the four-digit lock code using the keypad.

Note: The default lock code is the last four digits of your mobile phone number.

The **Lock** prompt disappears and the **Security** menu appears in the display.

3. Press **3^{def}** for **Emergency #**.
4. Press **1[@]st**, **2^{abc}**, **3^{def}**, **4^{ghi}**, or **5^{jkl}** to select from the three entry openings.
5. Enter the emergency number (up to 32 digits in length).
6. Press **OK** to save the number that you entered.
7. Press **CLR** to exit and return to the previous menu.

Call Emergency Numbers in Lock Mode

1. In standby mode, enter the emergency number via the keypad.
2. Press **SEND** to place the call.

Voice Privacy

Voice Privacy allows you to prevent those you call from seeing your number in their display when receiving your call.

1. In standby mode, press the **MENU** (left) soft key (**000**), then press **9^{wxyz}** (for **Setup**) and **5^{jkl}** for **Security**.
The **Lock** prompt appears in the display.
2. Enter the four-digit lock code using the keypad.

Note: The default lock code is the last four digits of your mobile phone number.

The **Lock** prompt disappears and the **Security** menu appears in the display.

3. Press **4^{ghj}** for **Voice Privacy**. The following options appear in the display:
 - **Standard** — Voice privacy is disabled.
 - **Enhanced** — Voice privacy is enabled.
4. Use the navigation keys to highlight the Voice Privacy option of your choice, then press **OK**.

Restriction

Restriction allows you to restrict outgoing calls, incoming calls, and all access to your Contacts.

1. In standby mode, press the **MENU** (left) soft key (**000**), then press **9^{wxyz}** (for **Setup**) and **5^{kl}** for **Security**. The **Lock** prompt appears in the display.
2. Enter the four-digit lock code using the keypad.

Note: The default lock code is the last four digits of your mobile phone number.

The **Lock** prompt disappears and the **Security** menu appears in the display.

3. Press **5^{kl}** for **Restriction**. The following options appear in the display:
 - **Outgoing:** When set to **Yes**, outgoing calls are restricted.
 - **Incoming:** When set to **Yes**, incoming calls are restricted.
 - **Contacts:** When set to **Yes**, all access to your Contacts List is restricted (including speed dialing).

Note: The default restriction settings are all **No**.

4. Use the navigation keys to highlight the Restriction you want, then press **OK**. The following options appear in the display:
 - **No** — Unrestricted
 - **Yes** — Restricted
5. Use the navigation keys to highlight **Yes** or **No**, then press **OK**.

Erase Memory

Erase memory erases your Contacts and Photo Gallery. This feature is useful if you want to give your phone to a friend or family member.

1. In standby mode, press the **MENU** (left) soft key () , then press  (for **Setup**) and  for **Security**. The **Lock** prompt appears in the display.
2. Enter the four-digit lock code using the keypad.

Note: The default lock code is the last four digits of your mobile phone number.

The **Lock** prompt disappears and the **Security** menu appears in the display.

3. Press  for **Erase Memory**. A confirmation prompt appears in the display.
4. Use the navigation keys to highlight **Yes** or **No**, then press **OK**. A confirmation message appears in the display while your messages are being erased. Your phone then returns to the **Security** menu.

Reset Phone

Reset Phone returns all setup options to their factory default.

1. In standby mode, press the **MENU** (left) soft key () , then press  (for **Setup**) and  for **Security**.
The **Lock** prompt appears in the display.
2. Enter the four-digit lock code using the keypad.

Note: The default lock code is the last four digits of your mobile phone number.

The **Lock** prompt disappears and the **Security** menu appears in the display.

3. Press  for **Reset Phone**. A prompt appears in the display to restore default settings (except for Contacts and Voice Dial).
4. Use the navigation keys to highlight **Yes** or **No**, then press .

Call Options

The Call Options sub menu lets you set call options such as Auto Retry, Data rates for data calls, and more.

Auto Retry

Auto Retry automatically re-dials a number if there is no answer or the dialed party is busy. Depending upon your location, the number of times your phone redials a number may vary.

1. In standby mode, press the **MENU** (left) soft key () , then press  (for **Setup**),  (for **Call Options**), and  for **Auto Retry**. The following options appear in the display:
 - **Off**
 - **Every 10 sec**
 - **Every 30 sec**
 - **Every 60 sec**
2. Use the navigation keys to highlight the desired setting, then press .

Data

Use the **Data** sub menu to set your phone to detect data connections automatically and to set the speed at which data is transmitted (baud rate).

1. In standby mode, press the left soft key () , then press  (for **Setup**),  (for **Call Options**), and  for **Data**. The following options appear in the display:
 - **Auto Detect** — Set data auto detect capabilities. Options are: **Data off**, **Data for next call**, and **Data until powered off**.
 - **Baud Rate** — Set the baud rate for data connections. Options are: **Auto**, **19200**, **38400**, **57600**, **115200**, and **230400**.
2. Use the navigation keys to highlight **Auto Detect** or **Baud Rate**, then press . The selected sub menu options appear in the display.
3. Use the navigation keys to highlight the desired Auto Detect or Baud Rate setting, then press .

Call Answer

You can select a specific answer mode when you receive an incoming call. Your phone can be preset to answer when you do any of the following:

1. In standby mode, press the **MENU** (left) soft key () , then press  (for **Setup**),  (for **Call Options**), and  for **Call Answer**. The following Call Answer sub menus appear in the display:
 - **Send Key** — Press  to answer an incoming call.
 - **Folder Open** — Open the folder to answer an incoming call.
 - **Any Key** — Press any key except  or  to answer an incoming call.
2. Use the navigation keys to highlight the method you wish to use for answering calls, then press .

Auto Answer

Auto Answer enables your phone to automatically answer calls after a period of time that you specify.

1. In standby mode, press the **MENU** (left) soft key () , then press  (for **Setup**),  (for **Call Options**), and  for **Auto Answer**. The following options appear in the display:
 - **Off**
 - **After 5 sec**
 - **After 3 sec**
 - **After 1 sec**
2. Use the navigation keys to highlight the desired setting, then press .

TTY Mode

Your phone is fully Teletypewriter (TTY) / Telecommunication Device for the Deaf (TDD) compatible. You connect TTY / TDD equipment to the headset connector on the top of your phone, behind the folder hinge.

Note: **TTY Mode** must be enabled (**TTY Full** selected) before you can use your phone with TTY/TDD equipment.

1. In standby mode, press the **MENU** (left) soft key () , then press  (for **Setup**),  (for **Call Options**), and  for **TTY Mode**. The following options appear in the display:
 - **TTY Full** — Enabled.
 - **TTY OFF** — Disabled.
-

Note: The **TTY Mode** option has no effect on the phone's earpiece, microphone, or speaker. When you select **TTY Full**, all currently enabled sound functions remain enabled.

2. Use the navigation keys to highlight your selection and press . You're returned to the previous menu and the TTY icon () appears in the top of the display.

Airplane Mode

When set to **On**, Airplane Mode disables all radio functions of your phone. This prevents you from making or receiving calls, but allows you to use other features (such as the camera and the Tools) safely in sensitive environments, such as on board an aircraft.

1. In standby mode, press the **MENU** (left) soft key () , then press  (for **Setup**),  (for **Call Options**), and

 for **Airplane Mode**. The following options appear in the display:

- **Off** — Enables the radio transmitter and receiver in your phone.
 - **On** — Disables the radio transmitter and receiver in your phone.
2. Use the navigation keys to highlight the desired option, then press the  key to save your setting.

IMPORTANT! With **Airplane Mode** set to **On**, you **CANNOT** make emergency (that is, 911) calls.

Shortcut Setting

The **Up** navigation key can be customized to launch any one of numerous applications or functions from standby mode. Use the Shortcut sub menu to choose the application that you wish the navigation up key to launch.

1. In standby mode, press the **MENU** (left) soft key () , then press  (for **Setup**) and  for **Shortcut**. The following functions appear in the display:
 - **Scheduler**
 - **Voice Memo**
 - **Animation**
 - **Ringer Type**
 - **Picture Gallery**
 - **Alarm**
 - **Calculator**
 - **Memo Pad**

2. Use the navigation keys to highlight the desired function, then press .

You can now press the **Up** navigation key in standby mode to launch the selected function.

Language Setting

The language option changes the language of menus, sub menus, and other user-interface features.

1. In standby mode, press the **MENU** (left) soft key () , then press  (for **Setup**) and  for **Language**. The following options appear in the display:
 - **English**
 - **Spanish**
2. Use the navigation keys to highlight your language preference, then press .

Clock Set

Use the **Clock Set** option to set the current date and time.

Note: In digital service mode, the **Main Clock** feature is disabled. The network adjusts time and date automatically.

1. In standby mode, press the **MENU** (left) soft key () , then press  (for **Setup**) and  for **Clock Set**.
The **Main Clock** screen appears in the display.

2. Enter the current time and date using your keypad:
 - Use the Left and Right navigation keys to select **am** or **pm**.
 - The hour, minute, month, and day must be entered using two digits each. You must enter the hour in 12-hour format.
 - The year must be entered with all four digits.
3. Press  to save the time and date.

Version Information

You can view the PRL (Preferred Roaming List), software version, and hardware version on your phone. This feature is helpful if you need to contact Customer Service.

1. In standby mode, press the **MENU** (left) soft key () , then press  (for **Setup**) and press  for **Version**.
Hardware and software information for your phone appears in the display.
2. Press  to return to the **Setup** menu.

Section 14: Health and Safety Information

Topics Covered

- Health and Safety Information
-

This section outlines the safety precautions associated with using your phone. These safety precautions should be followed to safely use your phone.

Health and Safety Information

Exposure to Radio Frequency (RF) Signals

Certification Information (SAR)

Your wireless phone is a radio transmitter and receiver. It is designed and manufactured not to exceed the exposure limits for radio frequency (RF) energy set by the Federal Communications Commission (FCC) of the U.S. government. These FCC exposure limits are derived from the recommendations of two expert organizations, the National Council on Radiation Protection and Measurement (NCRP) and the Institute of Electrical and Electronics Engineers (IEEE). In both cases, the recommendations were developed by scientific and engineering experts drawn from industry, government, and academia after extensive reviews of the scientific literature related to the biological effects of RF energy.

The exposure limit set by the FCC for wireless mobile phones employs a unit of measurement known as the Specific Absorption Rate (SAR). The SAR is a measure of the rate of absorption of RF energy by the human body expressed in units of watts per kilogram (W/kg). The FCC requires wireless phones to comply with a safety limit of 1.6 watts per kilogram ($1.6 W/kg$). The FCC exposure limit incorporates a substantial margin of safety to give additional protection to the public and to account for any variations in measurements.

SAR tests are conducted using standard operating positions accepted by the FCC with the phone transmitting at its highest certified power level in all

tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the phone while operating can be well below the maximum value. This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output.

Before a new model phone is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the exposure limit established by the FCC. Tests for each model phone are performed in positions and locations (e.g. at the ear and worn on the body) as required by the FCC. For body worn operation, this phone has been tested and meets FCC RF exposure guidelines when used with an accessory that contains no metal and that positions the handset a minimum of 1.5 cm from the body. Use of other accessories may not ensure compliance with FCC RF exposure guidelines.

The FCC has granted an Equipment Authorization for this mobile phone with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. The maximum SAR values for this model phone as reported to the FCC are:

- Head: 1.45 W/Kg.
- Body-worn: . 1.02 W/Kg.

SAR information on this and other model phones can be viewed on-line at www.fcc.gov/oet/fccid. To find information that pertains to a particular model phone, this site uses the phone FCC ID number which is

usually printed somewhere on the case of the phone. Sometimes it may be necessary to remove the battery pack to find the number. Once you have the FCC ID number for a particular phone, follow the instructions on the website and it should provide values for typical or maximum SAR for a particular phone. Additional product specific SAR information can also be obtained at www.fcc.gov/cgb/sar.

UL Certified Travel Adapter

The Travel Adapter for this phone has met UL 1310 safety requirements. Please adhere to the following safety instructions per UL guidelines.

FAILURE TO FOLLOW THE INSTRUCTIONS OUTLINED MAY LEAD TO SERIOUS PERSONAL INJURY AND POSSIBLE PROPERTY DAMAGE

IMPORTANT SAFETY INSTRUCTIONS - SAVE THESE INSTRUCTIONS. DANGER - TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, CAREFULLY FOLLOW THESE INSTRUCTIONS.

FOR CONNECTION TO A SUPPLY NOT IN THE U.S.A., USE AN ATTACHMENT PLUG ADAPTOR OF THE PROPER CONFIGURATION FOR THE POWER OUTLET.

Consumer Information on Wireless Phones

The U.S. Food and Drug Administration (FDA) has published a series of Questions and Answers for consumers relating to radio frequency (RF) exposure from wireless phones. The FDA publication includes the following information:

What kinds of phones are the subject of this update?

The term wireless phone refers here to hand-held wireless phones with built-in antennas, often called "cell," "mobile," or "PCS" phones. These types of wireless phones can expose the user to measurable radio frequency energy (RF) because of the short distance between the phone and the user's head. These RF exposures are limited by Federal Communications Commission safety guidelines that were developed with the advice of FDA and other federal health and safety agencies. When the phone is located at greater distances from the user, the exposure to RF is drastically lower because a person's RF exposure decreases rapidly with increasing distance from the source. The so-called "cordless phones," which have a base unit connected to the telephone wiring in a house, typically operate at far lower power levels, and thus produce RF exposures well within the FCC's compliance limits.

Do wireless phones pose a health hazard?

The available scientific evidence does not show that any health problems are associated with using wireless phones. There is no proof, however, that wireless phones are absolutely safe. Wireless phones emit low

levels of radio frequency energy (RF) in the microwave range while being used. They also emit very low levels of RF when in the stand-by mode. Whereas high levels of RF can produce health effects (by heating tissue), exposure to low level RF that does not produce heating effects causes no known adverse health effects. Many studies of low level RF exposures have not found any biological effects. Some studies have suggested that some biological effects may occur, but such findings have not been confirmed by additional research. In some cases, other researchers have had difficulty in reproducing those studies, or in determining the reasons for inconsistent results.

What is FDA's role concerning the safety of wireless phones?

Under the law, FDA does not review the safety of radiation-emitting consumer products such as wireless phones before they can be sold, as it does with new drugs or medical devices. However, the agency has authority to take action if wireless phones are shown to emit radio frequency energy (RF) at a level that is hazardous to the user. In such a case, FDA could require the manufacturers of wireless phones to notify users of the health hazard and to repair, replace or recall the phones so that the hazard no longer exists.

Although the existing scientific data do not justify FDA regulatory actions, FDA has urged the wireless phone industry to take a number of steps, including the following:

- "Support needed research into possible biological effects of RF of the type emitted by wireless phones;

- "Design wireless phones in a way that minimizes any RF exposure to the user that is not necessary for device function; and
- "Cooperate in providing users of wireless phones with the best possible information on possible effects of wireless phone use on human health.

FDA belongs to an interagency working group of the federal agencies that have responsibility for different aspects of RF safety to ensure coordinated efforts at the federal level. The following agencies belong to this working group:

- "National Institute for Occupational Safety and Health
- "Environmental Protection Agency
- "Federal Communications Commission
- "Occupational Safety and Health Administration
- "National Telecommunications and Information Administration

The National Institutes of Health participates in some interagency working group activities, as well.

FDA shares regulatory responsibilities for wireless phones with the Federal Communications Commission (FCC). All phones that are sold in the United States must comply with FCC safety guidelines that limit RF exposure. FCC relies on FDA and other health agencies for safety questions about wireless phones.

FCC also regulates the base stations that the wireless phone networks rely upon. While these base stations operate at higher power than do the wireless phones themselves, the RF exposures that people get from these base stations are typically thousands of times lower than those they can get from wireless phones.

Base stations are thus not the primary subject of the safety questions discussed in this document.

What are the results of the research done already?

The research done thus far has produced conflicting results, and many studies have suffered from flaws in their research methods. Animal experiments investigating the effects of radio frequency energy (RF) exposures characteristic of wireless phones have yielded conflicting results that often cannot be repeated in other laboratories. A few animal studies, however, have suggested that low levels of RF could accelerate the development of cancer in laboratory animals. However, many of the studies that showed increased tumor development used animals that had been genetically engineered or treated with cancer-causing chemicals so as to be pre-disposed to develop cancer in absence of RF exposure. Other studies exposed the animals to RF for up to 22 hours per day. These conditions are not similar to the conditions under which people use wireless phones, so we don't know with certainty what the results of such studies mean for human health.

Three large epidemiology studies have been published since December 2000. Between them, the studies investigated any possible association between the use of wireless phones and primary brain cancer, glioma, meningioma, or acoustic neuroma, tumors of the brain or salivary gland, leukemia, or other cancers. None of the studies demonstrated the existence of any harmful health effects from wireless phones RF exposures. However, none of the studies can answer questions

about long-term exposures, since the average period of phone use in these studies was around three years.

What research is needed to decide whether RF exposure from wireless phones poses a health risk?

A combination of laboratory studies and epidemiological studies of people actually using wireless phones would provide some of the data that are needed. Lifetime animal exposure studies could be completed in a few years. However, very large numbers of animals would be needed to provide reliable proof of a cancer promoting effect if one exists. Epidemiological studies can provide data that is directly applicable to human populations, but ten or more years' follow-up may be needed to provide answers about some health effects, such as cancer. This is because the interval between the time of exposure to a cancer-causing agent and the time tumors develop - if they do - may be many, many years. The interpretation of epidemiological studies is hampered by difficulties in measuring actual RF exposure during day-to-day use of wireless phones. Many factors affect this measurement, such as the angle at which the phone is held, or which model of phone is used.

What is FDA doing to find out more about the possible health effects of wireless phone RF?

FDA is working with the U.S. National Toxicology Program and with groups of investigators around the world to ensure that high priority animal studies are conducted to address important questions about the effects of exposure to radio frequency energy (RF).

FDA has been a leading participant in the World Health Organization international Electromagnetic Fields (EMF) Project since its inception in 1996. An influential result of this work has been the development of a detailed agenda of research needs that has driven the establishment of new research programs around the world. The Project has also helped develop a series of public information documents on EMF issues.

FDA and Cellular Telecommunications & Internet Association (CTIA) have a formal Cooperative Research and Development Agreement (CRADA) to do research on wireless phone safety. FDA provides the scientific oversight, obtaining input from experts in government, industry, and academic organizations. CTIA-funded research is conducted through contracts to independent investigators. The initial research will include both laboratory studies and studies of wireless phone users. The CRADA will also include a broad assessment of additional research needs in the context of the latest research developments around the world.

What steps can I take to reduce my exposure to radio frequency energy from my wireless phone?

If there is a risk from these products - and at this point we do not know that there is - it is probably very small. But if you are concerned about avoiding even potential risks, you can take a few simple steps to minimize your exposure to radio frequency energy (RF). Since time is a key factor in how much exposure a person receives, reducing the amount of time spent using a wireless phone will reduce RF exposure.

- "If you must conduct extended conversations by wireless phone every day, you could place more distance between your body and the source of the RF, since the exposure level drops off dramatically with distance. For example, you could use a headset and carry the wireless phone away from your body or use a wireless phone connected to a remote antenna.

Again, the scientific data do not demonstrate that wireless phones are harmful. But if you are concerned about the RF exposure from these products, you can use measures like those described above to reduce your RF exposure from wireless phone use.

What about children using wireless phones?

The scientific evidence does not show a danger to users of wireless phones, including children and teenagers. If you want to take steps to lower exposure to radio frequency energy (RF), the measures described above would apply to children and teenagers using wireless phones. Reducing the time of wireless phone use and increasing the distance between the user and the RF source will reduce RF exposure.

Some groups sponsored by other national governments have advised that children be discouraged from using wireless phones at all. For example, the government in the United Kingdom distributed leaflets containing such a recommendation in December 2000. They noted that no evidence exists that using a wireless phone causes brain tumors or other ill effects. Their recommendation to limit wireless phone use by children was strictly precautionary; it was not based on scientific evidence that any health hazard exists.

Do hands-free kits for wireless phones reduce risks from exposure to RF emissions?

Since there are no known risks from exposure to RF emissions from wireless phones, there is no reason to believe that hands-free kits reduce risks. Hands-free kits can be used with wireless phones for convenience and comfort. These systems reduce the absorption of RF energy in the head because the phone, which is the source of the RF emissions, will not be placed against the head. On the other hand, if the phone is mounted against the waist or other part of the body during use, then that part of the body will absorb more RF energy. Wireless phones marketed in the U.S. are required to meet safety requirements regardless of whether they are used against the head or against the body. Either configuration should result in compliance with the safety limit.

Do wireless phone accessories that claim to shield the head from RF radiation work?

Since there are no known risks from exposure to RF emissions from wireless phones, there is no reason to believe that accessories that claim to shield the head from those emissions reduce risks. Some products that claim to shield the user from RF absorption use special phone cases, while others involve nothing more than a metallic accessory attached to the phone. Studies have shown that these products generally do not work as advertised. Unlike "hand-free" kits, these so-called "shields" may interfere with proper operation of the phone. The phone may be forced to boost its power to compensate, leading to an increase in RF absorption. In

February 2002, the Federal Trade Commission (FTC) charged two companies that sold devices that claimed to protect wireless phone users from radiation with making false and unsubstantiated claims. According to FTC, these defendants lacked a reasonable basis to substantiate their claim.

What about wireless phone interference with medical equipment?

Radio frequency energy (RF) from wireless phones can interact with some electronic devices. For this reason, FDA helped develop a detailed test method to measure electromagnetic interference (EMI) of implanted cardiac pacemakers and defibrillators from wireless telephones. This test method is now part of a standard sponsored by the Association for the Advancement of Medical Instrumentation (AAMI). The final draft, a joint effort by FDA, medical device manufacturers, and many other groups, was completed in late 2000. This standard will allow manufacturers to ensure that cardiac pacemakers and defibrillators are safe from wireless phone EMI. FDA has tested wireless phones and helped develop a voluntary standard sponsored by the Institute of Electrical and Electronic Engineers (IEEE). This standard specifies test methods and performance requirements for hearing aids and wireless phones so that no interference occurs when a person uses a compatible phone and a compatible hearing aid at the same time. This standard was approved by the IEEE in 2000.

FDA continues to monitor the use of wireless phones for possible interactions with other medical devices.

Should harmful interference be found to occur, FDA will conduct testing to assess the interference and work to resolve the problem.

Additional information on the safety of RF exposures from various sources can be obtained from the following organizations:

- FCC RF Safety Program:
<http://www.fcc.gov/oet/rfsafety/>
- Environmental Protection Agency (EPA):
<http://www.epa.gov/radiation/>
- Occupational Safety and Health Administration's (OSHA):
<http://www.osha.gov/SLTC/radiofrequencyradiation/index.html>
- National institute for Occupational Safety and Health (NIOSH):
<http://www.cdc.gov/niosh/topics/emf/>
- World health Organization (WHO):
<http://www.who.int/peh-emf/>
- International Commission on Non-Ionizing Radiation Protection:
<http://www.icnirp.de>
- National Radiation Protection Board (UK):
<http://www.nrpb.org.uk>
- US food and Drug Administration
<http://www.fda.gov/cellphones>

Road Safety

Your wireless phone gives you the powerful ability to communicate by voice, almost anywhere, anytime. But an important responsibility accompanies the benefits of wireless phones, one that every user must uphold.

When driving a car, driving is your first responsibility. When using your wireless phone behind the wheel of a car, practice good common sense and remember the following tips:

1. Get to know your wireless phone and its features, such as speed dial and redial. If available, these features help you to place your call without taking your attention off the road.
2. When available, use a hands-free device. If possible, add an additional layer of convenience and safety to your wireless phone with one of the many hands free accessories available today.
3. Position your wireless phone within easy reach. Be able to access your wireless phone without removing your eyes from the road. If you get an incoming call at an inconvenient time, let your voice mail answer it for you.
4. Let the person you are speaking with know you are driving; if necessary, suspend the call in heavy traffic or hazardous weather conditions. Rain, sleet, snow, ice and even heavy traffic can be hazardous.
5. Do not take notes or look up phone numbers while driving. Jotting down a "to do" list or flipping through your address book takes attention away from your primary responsibility, driving safely.
6. Dial sensibly and assess the traffic; if possible, place calls when you are not moving or before pulling into traffic. Try to plan calls when your car will be stationary. If you need to make a call while moving, dial only a few numbers, check the road and your mirrors, then continue.

7. Do not engage in stressful or emotional conversations that may be distracting. Make people you are talking with aware you are driving and suspend conversations that have the potential to divert your attention from the road.
8. Use your wireless phone to call for help. Dial 9-1-1 or other local emergency number in the case of fire, traffic accident or medical emergencies. Remember, it is a free call on your wireless phone!
9. Use your wireless phone to help others in emergencies. If you see an auto accident, crime in progress or other serious emergency where lives are in danger, call 9-1-1 or other local emergency number, as you would want others to do for you.
10. Call roadside assistance or a special non-emergency wireless assistance number when necessary. If you see a broken-down vehicle posing no serious hazard, a broken traffic signal, a minor traffic accident where no one appears injured, or a vehicle you know to be stolen, call roadside assistance or other special non-emergency number.

"The wireless industry reminds you to use your phone safely when driving."

For more information, please call 1-888-901-SAFE, or visit our web-site www.wow-com.com

Provided by the Cellular Telecommunications & Internet Association

Operating Environment

Remember to follow any special regulations in force in any area and always switch your phone off whenever it is forbidden to use it, or when it may cause interference or danger. When connecting the phone or any accessory to another device, read its user's guide for detailed safety instructions. Do not connect incompatible products.

As with other mobile radio transmitting equipment, users are advised that for the satisfactory operation of the equipment and for the safety of personnel, it is recommended that the equipment should only be used in the normal operating position (held to your ear with the antenna pointing over your shoulder if you are using an external antenna).

Using Your Phone Near Other Electronic Devices

Most modern electronic equipment is shielded from radio frequency (RF) signals. However, certain electronic equipment may not be shielded against the RF signals from your wireless phone. Consult the manufacturer to discuss alternatives.

Pacemakers

Pacemaker manufacturers recommend that a minimum distance of 15 cm (6 inches) be maintained between a wireless phone and a pacemaker to avoid potential interference with the pacemaker.

These recommendations are consistent with the independent research and recommendations of Wireless Technology Research.

Persons with pacemakers:

- should always keep the phone more than 15 cm (6 inches) from their pacemaker when the phone is switched on.
- should not carry the phone in a breast pocket.
- should use the ear opposite the pacemaker to minimize potential interference.

If you have any reason to suspect that interference is taking place, switch your phone off immediately.

Hearing Aid Compatibility with Mobile Phones

When some mobile phones are used near some hearing devices (hearing aids and cochlear implants), users may detect a buzzing, humming, or whining noise. Some hearing devices are more immune than others to this interference noise, and phones also vary in the amount of interference they generate.

The wireless telephone industry has developed ratings for some of their mobile phones, to assist hearing device users in finding phones that may be compatible with their hearing devices. Not all phones have been rated. Phones that are rated have the rating on their box or a label on the box.

The ratings are not guarantees. Results will vary depending on the user's hearing device and hearing loss. If your hearing device happens to be vulnerable to interference, you may not be able to use a rated phone successfully. Trying out the phone with your hearing

device is the best way to evaluate it for your personal needs.

M-Ratings: Phones rated M3 or M4 meet FCC requirements and are likely to generate less interference to hearing devices than phones that are not labeled. M4 is the better / higher of the two ratings.

T-Ratings: Phones rated T3 or T4 meet FCC requirements and are likely to be more usable with a hearing device's telecoil ("T Switch" or "Telephone Switch") than unrated phones. T4 is the better / higher of the two ratings. (Note that not all hearing devices have telecoils in them.)

Hearing devices may also be measured for immunity to this type of interference. Your hearing device manufacturer or hearing health professional may help you find results for your hearing device. The more immune your hearing aid is, the less likely you are to experience interference noise from mobile phones.

Other Medical Devices

If you use any other personal medical devices, consult the manufacturer of your device to determine if it is adequately shielded from external RF energy. Your physician may be able to assist you in obtaining this information. Switch your phone off in health care facilities when any regulations posted in these areas instruct you to do so. Hospitals or health care facilities may be using equipment that could be sensitive to external RF energy.

Vehicles

RF signals may affect improperly installed or inadequately shielded electronic systems in motor vehicles. Check with the manufacturer or its representative regarding your vehicle. You should also consult the manufacturer of any equipment that has been added to your vehicle.

Posted Facilities

Switch your phone off in any facility where posted notices require you to do so.

Potentially Explosive Environments

Switch your phone off when in any area with a potentially explosive atmosphere and obey all signs and instructions. Sparks in such areas could cause an explosion or fire resulting in bodily injury or even death.

Users are advised to switch the phone off while at a refueling point (service station). Users are reminded of the need to observe restrictions on the use of radio equipment in fuel depots (fuel storage and distribution areas), chemical plants or where blasting operations are in progress.

Areas with a potentially explosive atmosphere are often but not always clearly marked. They include below deck on boats, chemical transfer or storage facilities, vehicles using liquefied petroleum gas (such as propane or butane), areas where the air contains chemicals or particles, such as grain, dust or metal

powders, and any other area where you would normally be advised to turn off your vehicle engine.

Emergency Calls

This phone, like any wireless phone, operates using radio signals, wireless and landline networks as well as user-programmed functions, which cannot guarantee connection in all conditions. Therefore, you should never rely solely on any wireless phone for essential communications (medical emergencies, for example).

Remember, to make or receive any calls the phone must be switched on and in a service area with adequate signal strength. Emergency calls may not be possible on all wireless phone networks or when certain network services and /or phone features are in use. Check with local service providers.

To make an emergency call:

1. If the phone is not on, switch it on.
2. Key in the emergency number for your present location (for example, 911 or other official emergency number). Emergency numbers vary by location.
3. Press the  key.

If certain features are in use (call barring, for example), you may first need to deactivate those features before you can make an emergency call. Consult this document and your local cellular service provider.

When making an emergency call, remember to give all the necessary information as accurately as possible. Remember that your phone may be the only means of communication at the scene of an accident; do not cut off the call until given permission to do so.

Restricting Children's access to your Phone

Your phone is not a toy. Children should not be allowed to play with it because they could hurt themselves and others, damage the phone or make calls that increase your phone bill.

FCC Notice and Cautions

FCC Notice

The phone may cause TV or radio interference if used in close proximity to receiving equipment. The FCC can require you to stop using the phone if such interference cannot be eliminated.

Vehicles using liquefied petroleum gas (such as propane or butane) must comply with the National Fire Protection Standard (NFPA-58). For a copy of this standard, contact the National Fire Protection Association, One Batterymarch Park, Quincy, MA 02269, Attn: Publication Sales Division.

Cautions

Any changes or modifications to your phone not expressly approved in this document could void your warranty for this equipment, and void your authority to operate this equipment. Only use approved batteries,

antennas and chargers. The use of any unauthorized accessories may be dangerous and void the phone warranty if said accessories cause damage or a defect to the phone.

Although your phone is quite sturdy, it is a complex piece of equipment and can be broken. Avoid dropping, hitting, bending or sitting on it.

Other Important Safety Information

- Only qualified personnel should service the phone or install the phone in a vehicle. Faulty installation or service may be dangerous and may invalidate any warranty applicable to the device.
- Check regularly that all wireless phone equipment in your vehicle is mounted and operating properly.
- Do not store or carry flammable liquids, gases or explosive materials in the same compartment as the phone, its parts or accessories.
- For vehicles equipped with an air bag, remember that an air bag inflates with great force. Do not place objects, including both installed or portable wireless equipment in the area over the air bag or in the air bag deployment area. If wireless equipment is improperly installed and the air bag inflates, serious injury could result.
- Switch your phone off before boarding an aircraft. The use of wireless phone in aircraft is illegal and may be dangerous to the aircraft's operation.
- Failure to observe these instructions may lead to the suspension or denial of telephone services to the offender, or legal action, or both.

Product Performance

Getting the Most Out of Your Signal Reception

The quality of each call you make or receive depends on the signal strength in your area. Your phone informs you of the current signal strength by displaying a number of bars next to the signal strength icon. The more bars displayed, the stronger the signal.

If you're inside a building, being near a window may give you better reception.

Understanding the Power Save Feature

If your phone is unable to find a signal after 15 minutes of searching, a Power Save feature is automatically activated. If your phone is active, it periodically rechecks service availability or you can check it yourself by pressing any key.

Anytime the Power Save feature is activated, a message displays on the screen. When a signal is found, your phone returns to standby mode.

Understanding How Your Phone Operates

Your phone is basically a radio transmitter and receiver. When it's turned on, it receives and transmits radio frequency (RF) signals. When you use your phone, the system handling your call controls the power level. This power can range from 0.006 watts to 0.2 watts in digital mode.

Maintaining Your Phone's Peak Performance

For the best care of your phone, only authorized personnel should service your phone and accessories. Faulty service may void the warranty.

There are several simple guidelines to operating your phone properly and maintaining safe, satisfactory service.

- If your phone is equipped with an external antenna, hold the phone with the antenna raised, fully-extended and over your shoulder.
- Do not hold, bend or twist the phone's antenna.
- Do not use the phone if the antenna is damaged.
- If your phone is equipped with an internal antenna, obstructing the internal antenna could inhibit performance.
- Speak directly into the phone's receiver.
- Avoid exposing your phone and accessories to rain or liquid spills. If your phone does get wet, immediately turn the power off and remove the battery.

Availability of Various Features/Ring Tones

Many services and features are network dependent and may require additional subscription and /or usage charges. Not all features are available for purchase or use in all areas. Downloadable Ring Tones may be available at an additional cost. Other conditions and restrictions may apply. See your service provider for additional information.

Battery Standby and Talk Time

Standby and talk times will vary depending on phone usage patterns and conditions. Battery power consumption depends on factors such as network configuration, signal strength, operating temperature,

features selected, frequency of calls, and voice, data, and other application usage patterns.

Battery Precautions

- Avoid dropping the cell phone. Dropping it, especially on a hard surface, can potentially cause damage to the phone and battery. If you suspect damage to the phone or battery, take it to a service center for inspection.
- Never use any charger or battery that is damaged in any way.
- Use the battery only for its intended purpose.
- If you use the phone near the network's base station, it uses less power; talk and standby time are greatly affected by the signal strength on the cellular network and the parameters set by the network operator.
- Follow battery usage, storage and charging guidelines found in the user's guide.
- Battery charging time depends on the remaining battery charge and the type of battery and charger used. The battery can be charged and discharged hundreds of times, but it will gradually wear out. When the operation time (talk time and standby time) is noticeably shorter than normal, it is time to buy a new battery.
- If left unused, a fully charged battery will discharge itself over time.
- Use only Samsung-approved batteries and recharge your battery only with Samsung-approved chargers. When a charger is not in use, disconnect it from the power source. Do not leave the battery connected to a charger for more than a week, since overcharging may shorten its life.
- Do not use incompatible cell phone batteries and chargers. Some Web sites and second-hand dealers, not associated with reputable manufacturers and carriers, might be selling incompatible or even counterfeit batteries and chargers. Consumers should purchase manufacturer or carrier

recommended products and accessories. If unsure about whether a replacement battery or charger is compatible, contact the manufacturer of the battery or charger.

- Extreme temperatures will affect the charging capacity of your battery: it may require cooling or warming first.
- Do not leave the battery in hot or cold places, such as in a car in summer or winter conditions, as you will reduce the capacity and lifetime of the battery. Always try to keep the battery at room temperature. A phone with a hot or cold battery may temporarily not work, even when the battery is fully charged. Li-ion batteries are particularly affected by temperatures below 0 °C (32 °F).
- Do not place the phone in areas that may get very hot, such as on or near a cooking surface, cooking appliance, iron, or radiator.
- Do not get your phone or battery wet. Even though they will dry and appear to operate normally, the circuitry could slowly corrode and pose a safety hazard.
- Do not short-circuit the battery. Accidental short-circuiting can occur when a metallic object (coin, clip or pen) causes a direct connection between the + and - terminals of the battery (metal strips on the battery), for example when you carry a spare battery in a pocket or bag. Short-circuiting the terminals may damage the battery or the object causing the short-circuiting.
- Do not permit a battery out of the phone to come in contact with metal objects, such as coins, keys or jewelry.
- Do not crush, puncture or put a high degree of pressure on the battery as this can cause an internal short-circuit, resulting in overheating.
- Dispose of used batteries in accordance with local regulations. In some areas, the disposal of batteries in household or business trash may be prohibited. For safe disposal options for Li-Ion batteries, contact your nearest Samsung authorized service center. Always recycle. Do not dispose of batteries in a fire.

Care and Maintenance

Your phone is a product of superior design and craftsmanship and should be treated with care. The suggestions below will help you fulfill any warranty obligations and allow you to enjoy this product for many years

- Keep the phone and all its parts and accessories out of the reach of small children's.
- Keep the phone dry. Precipitation, humidity and liquids contain minerals that will corrode electronic circuits.
- Do not use the phone with a wet hand. Doing so may cause an electric shock to you or damage to the phone.
- Do not use or store the phone in dusty, dirty areas, as its moving parts may be damaged.
- Do not store the phone in hot areas. High temperatures can shorten the life of electronic devices, damage batteries, and warp or melt certain plastics.
- Do not store the phone in cold areas. When the phone warms up to its normal operating temperature, moisture can form inside the phone, which may damage the phone's electronic circuit boards.
- Do not drop, knock or shake the phone. Rough handling can break internal circuit boards.
- Do not use harsh chemicals, cleaning solvents or strong detergents to clean the phone. Wipe it with a soft cloth slightly dampened in a mild soap-and-water solution.
- Do not paint the phone. Paint can clog the device's moving parts and prevent proper operation.
- Do not put the phone in or on heating devices, such as a microwave oven, a stove or a radiator. The phone may explode when overheated.
- If your phone has an external antenna, use only the supplied or an approved replacement antenna. Unauthorized antennas or

modified accessories may damage the phone and violate regulations governing radio devices.

- If the phone, battery, charger or any accessory is not working properly, take it to your nearest qualified service facility. The personnel there will assist you, and if necessary, arrange for service.

Section 15: Warranty Information

Topics Covered

- Standard Limited Warranty
-

Standard Limited Warranty

What is Covered and For How Long? SAMSUNG TELECOMMUNICATIONS AMERICA, L.P. (“SAMSUNG”) warrants to the original purchaser (“Purchaser”) that SAMSUNG's Phones and accessories (“Products”) are free from defects in material and workmanship under normal use and service for the period commencing upon the date of purchase and continuing for the following specified period of time after that date:

Phone	1 Year
Batteries	1 Year
Leather Case/ Pouch	90 Days
Holster	90 Days
Other Phone Accessories	1 Year

What is Not Covered? This Limited Warranty is conditioned upon proper use of Product by Purchaser. This Limited Warranty does not cover: (a) defects or damage resulting from accident, misuse, abuse, neglect, unusual physical, electrical or electromechanical stress, or modification of any part of Product, including antenna, or cosmetic damage; (b) equipment that has the serial number removed or made illegible; (c) any plastic surfaces or other externally exposed parts that are scratched or damaged due to normal use; (d) malfunctions resulting from the use of Product in conjunction with accessories, products, or ancillary / peripheral equipment not furnished or approved by

SAMSUNG; (e) defects or damage from improper testing, operation, maintenance, installation, or adjustment; (f) installation, maintenance, and service of Product, or (g) Product used or purchased outside the United States or Canada. This Limited Warranty covers batteries only if battery capacity falls below 80% of rated capacity or the battery leaks, and this Limited Warranty does not cover any battery if (i) the battery has been charged by a battery charger not specified or approved by SAMSUNG for charging the battery, (ii) any of the seals on the battery are broken or show evidence of tampering, or (iii) the battery has been used in equipment other than the SAMSUNG phone for which it is specified.

What are SAMSUNG's Obligations? During the applicable warranty period, SAMSUNG will repair or replace, at SAMSUNG's sole option, without charge to Purchaser, any defective component part of Product. To obtain service under this Limited Warranty, Purchaser must return Product to an authorized phone service facility in an adequate container for shipping, accompanied by Purchaser's sales receipt or comparable substitute proof of sale showing the date of purchase, the serial number of Product and the sellers' name and address. To obtain assistance on where to deliver the Product, call Samsung Customer Care at 1-888-987-4357. Upon receipt, SAMSUNG will promptly repair or replace the defective Product. SAMSUNG may, at SAMSUNG's sole option, use rebuilt, reconditioned, or new parts or components when repairing any Product or replace Product with a rebuilt, reconditioned or new Product. Repaired / replaced leather cases, pouches and holsters

will be warranted for a period of ninety (90) days. All other repaired / replaced Product will be warranted for a period equal to the remainder of the original Limited Warranty on the original Product or for 90 days, whichever is longer. All replaced parts, components, boards and equipment shall become the property of SAMSUNG. If SAMSUNG determines that any Product is not covered by this Limited Warranty, Purchaser must pay all parts, shipping, and labor charges for the repair or return of such Product.

WHAT ARE THE LIMITS ON SAMSUNG'S WARRANTY/LIABILITY?

EXCEPT AS SET FORTH IN THE EXPRESS WARRANTY CONTAINED HEREIN, PURCHASER TAKES THE PRODUCT "AS IS," AND SAMSUNG MAKES NO WARRANTY OR REPRESENTATION AND THERE ARE NO CONDITIONS, EXPRESS OR IMPLIED, STATUTORY OR OTHERWISE, OF ANY KIND WHATSOEVER WITH RESPECT TO THE PRODUCT, INCLUDING BUT NOT LIMITED TO:

- "THE MERCHANTABILITY OF THE PRODUCT OR ITS FITNESS FOR ANY PARTICULAR PURPOSE OR USE;
- "WARRANTIES OF TITLE OR NON-INFRINGEMENT;
- "DESIGN, CONDITION, QUALITY, OR PERFORMANCE OF THE PRODUCT;
- "THE WORKMANSHIP OF THE PRODUCT OR THE COMPONENTS CONTAINED THEREIN; OR
- "COMPLIANCE OF THE PRODUCT WITH THE REQUIREMENTS OF ANY LAW, RULE, SPECIFICATION OR CONTRACT PERTAINING THERETO.

NOTHING CONTAINED IN THE INSTRUCTION MANUAL SHALL BE CONSTRUED TO CREATE AN EXPRESS WARRANTY OF ANY KIND

WHATSOEVER WITH RESPECT TO THE PRODUCT. ALL IMPLIED WARRANTIES AND CONDITIONS THAT MAY ARISE BY OPERATION OF LAW, INCLUDING IF APPLICABLE THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE HEREBY LIMITED TO THE SAME DURATION OF TIME AS THE EXPRESS WRITTEN WARRANTY STATED HEREIN. SOME STATES / PROVINCES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU. IN ADDITION, SAMSUNG SHALL NOT BE LIABLE FOR ANY DAMAGES OF ANY KIND RESULTING FROM THE PURCHASE, USE, OR MISUSE OF, OR INABILITY TO USE THE PRODUCT OR ARISING DIRECTLY OR INDIRECTLY FROM THE USE OR LOSS OF USE OF THE PRODUCT OR FROM THE BREACH OF THE EXPRESS WARRANTY, INCLUDING INCIDENTAL, SPECIAL, CONSEQUENTIAL OR SIMILAR DAMAGES, OR LOSS OF ANTICIPATED PROFITS OR BENEFITS, OR FOR DAMAGES ARISING FROM ANY TORT (INCLUDING NEGLIGENCE OR GROSS NEGLIGENCE) OR FAULT COMMITTED BY SAMSUNG, ITS AGENTS OR EMPLOYEES, OR FOR ANY BREACH OF CONTRACT OR FOR ANY CLAIM BROUGHT AGAINST PURCHASER BY ANY OTHER PARTY. SOME STATES / PROVINCES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY

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OPERATIONS, PERFORMANCE AND SUITABILITY OF ANY SUCH THIRD-PARTY SOFTWARE OR EQUIPMENT LIE SOLELY WITH THE PURCHASER AND THE DIRECT VENDOR, OWNER OR SUPPLIER OF SUCH THIRD-PARTY SOFTWARE OR EQUIPMENT, AS THE CASE MAY BE.

This Limited Warranty allocates risk of Product failure between Purchaser and SAMSUNG, and SAMSUNG's Product pricing reflects this allocation of risk and the limitations of liability contained in this Limited Warranty. The agents, employees, distributors, and dealers of SAMSUNG are not authorized to make modifications to this Limited Warranty, or make additional warranties binding on SAMSUNG. Accordingly, additional statements such as dealer advertising or presentation, whether oral or written, do not constitute warranties by SAMSUNG and should not be relied upon.

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Index

Symbols

@ Metro 91

Numerics

911 191

A

Add, edit, erase tasks 164

Adding a new Contacts
entry

Dial Method 73

Adjust

color tone 144

key beep 184

ringer setting 32, 42

Alarm clock

set the alarm 169

turn off the alarm 170

when an alarm

sounds 170

Alerts 185

Animation 178

Animation, choosing 178

Apps

buying 94

disabled 95

expired 95

removing 94

restoring 95

Auto Answer 197

Auto hypen 180

Auto retry 195

Access Web

How Access Web Keys

Work 122

Launching Access

Web 120

Using Access Web 121

Using Links 121

B

Backlight settings 179

Banner 179

Banner, creating 179

Battery 12

charging 11

Low battery indicator 12

removal 13

Travel adapter 11

Brightness,

pictures 134, 142

Buying new apps 94

C

Calculator 172

Calendar

view an event 162

Call answer 43, 197

Call Answer mode 30

Call block 44

Call Functions

Answering a Call 41

Making a Call 36

Call notification types 42

Call options 195

Call restriction 193

Call timer 48

Call waiting 43

Caller ID 44

Calls

- call timer 48
- data counter 49
- erase logs 48
- incoming 47
- missed 47
- outgoing 46
- store numbers 50

Calls menu 46

Camera 129

- Color Tones 136
- Fun Frame 135
- Multi Shot 133
- Options 132
- Picture Gallery 140
- Save Pictures 140
- Screen 131
- Screen Icons 131
- Self Timer 132
- Settings 142
- Taking Pictures 130

Camera mode 33

Camera Screen 131

Camera settings 142

Canned Message Text

- Editing and Entering 116

Change languages 200

Change lock 190

Change menu style 177

Clear key 24

Clock set 200

Color tones 144

Contacts 72

- add pauses 80
- Adding a new Contacts entry 73
- edit name and numbers 79
- find by entry 77
- find by group 78
- find by name 77
- opening 72
- rename a group 79
- Save a number after a call 86

Contacts List

- Memory 89

Count down 167

Create messages 98

D

Data Counter 49

Data sub menu 196

Data, view counters 49

Delay pictures 132

Dial Digits 180

Dial Screen 181

Disabled apps 95

Display 176

Display screen icons 26

Display settings 176

- animation 178

- auto hyphen 180
- backlight 179
- banner 179
- dial digits 180
- dial screen 181
- menu style 177

Display sub menu 176

Draft folder 110

Draft messages 110

E

easyedge

- Help 93
- Settings 92
- Shopping and downloading 92

Edit contacts name and numbers 79

Edit text options 112

Emergency #s in lock mode 192

Emergency numbers 191

End key 24

Entering Text 63

- Entering Numbers 68
- Entering Symbols 67
- Entering Upper and Lower Case 66
- Using T9 Mode 65

Erase logs 48

Erase memory 194

Erase memos 153

Erase messages 117

Erase total timers 49

Exit Mobile Web 121

Expired apps 95

F

Find

- by entry 77
- by group 78
- by name 77

Find by entry 77

Fun frames 143

G

Gallery 123

- Accessing 124
- Animelody 127
- Image 124
- Melody 126

Gallery, picture 140

General message settings 115

Getting Started 9

- Activating Your Phone 12
- Understanding this User Manual 10
- Voicemail 15

Go back one menu 52

GPS Setting 176

Groups, renaming 79

H

Hardware version, viewing 201

Health and Safety

Information 203

I

Icons

number type 73, 74, 87

Ignore calls 44

Inbox folder 108

Incoming calls 41

Incoming calls menu 47

Input mode 30

J

Jump to date 163

K

Key beep 184

L

Language setting 200

Left soft key 23

Lock code, changing 190

Lock mode 31

Lock phone 189

M

Menu Navigation 51

Menu Outline 54

Menu style, changing 177

Message folder

draft box 110

inbox 108

outbox 109

voice 113

voice mail 113

Message Folders

Erase messages 117

Message send options 99

Message settings,
general 115

Messages and lock
mode 110

Messages, creating 98

Messages, receive in
call 101

Messaging 97

Types of Messages 98

Missed calls menu 47

Mobile Web 119

Mode

call answer 30

camera 33

input 30

lock 31

silent 32

standby 31

talk 32

vibrate 32

Msg setting sub menu 113

Multi shot 133

My phone # 88

N

Navigation key 25

Navigation key
shortcuts 53

Network sub menu 187

New message options 99

Notes and tips 10

Notes, description 10

Number type

icons 73, 74, 87

O

OK key 24

Outbox folder 109

Outbox, reviewing

messages 109

Outgoing 46

P

P pause 80

Pause dial 36, 81

Pauses, adding 80

Picture borders 143

Picture gallery 140

Picture message

settings 114

Picture messages

online viewing 107

receiving 106

Send in camera

mode 101

Pictures

brightness 134, 142

color tones 144

fun frames 143

quality 146

sending 147

shutter sound 145

zooming in 139

Power On/Off sound 186

Q

Quality, pictures 146

R

Receive messages in

call 101

Receive pic. messages 106

Receive text messages 100

Record memos 152

Removing apps 94

Reset your phone 195

Resolution, notes

about 139

Restoring apps 95

Restrict calls 193

Return to last menu 52

Review calls 48

Reviewing outbox 109

Right soft key 24

Ringer types,

assigning 183

Roam ringer 186

S

Save a number after a

call 86

Save pictures 140

Security sub menu 188

Self timer 132

Send key 25

Send options 99

- Send pix messages** 147
- Service LED settings** 182
- Settings**
 - Display 176
 - Location Setting 176
- Settings, picture messages** 114
- Settings, text messages** 114
- Setup** 175
- Shortcut sub menu** 199
- Shortcut to menus** 53
- Shutter sound** 145
- Silence ringer** 44
- Silent mode**
 - entering 32
 - exiting 32
- Software version, viewing** 201
- Sounds** 183
- Speakerphone Key** 25
- Standby mode** 31
- Store emergency #s** 191
- Store numbers after a call** 86

T

- T pause** 80
- Take pictures**
 - with flip open 130
- Taking pictures** 130

- Talk mode** 32
- Text entry modes** 98
- Text message settings** 114
- Text messages, receiving** 100

Text Modes

- changing 64

- Three-way calling** 36

- Timer, calls** 48

- Timer, camera** 132

- Tip, description** 10

- To do list** 163

- add, edit, erase tasks 164

Tools 149

- add new event 160
- alarm clock 169
- calculator 172
- count down 167
- jump to date 163
- memo pad 165
- scheduler 162
- to do list 163
- today 160
- voice recognition 150
- world time 171

- TTY Mode** 198

U

- Understanding Your Contacts** 71

- Deleting a Contacts entry 88

- Editing an existing
Contacts entry 79
- Finding a Contacts
entry 75

Understanding Your Phone 17

- Closed View of Your
Phone 19
- Command Keys 23
- Display Screen 26
- Features of Your
Phone 18
- Open View of Your
Phone 21

V

Version 201

Vibrate mode 32

View an event, scheduler 162

Voice folder 113

Voice mail

- checking 113
- listening to 15

Voice Memos 152

Voice Recognition 150

- erase all memos 153
- record memos 152
- review and erase
memos 153
- Voice Memos 152

Voice Setting

- About VoiceSignal 159
- Choice Lists 157

- Sensitivity 157
- Sound 158
- Voice Launch 159

W

Warranty Information 233

- Standard Limited
Warranty 234

Whisper mode 187

World time 171

Z

Zooming, pictures 139

